

# Metal Oxide Varistors



## MVR Series Description

MERITEK

### FEATURES

- Fast response to rapidly rising surge voltage
- High performance clamping voltage characteristics
- Operating / storage temperature: -40 ~ +85°C / -40 ~ +125°C
- Varistor voltage: 18V to 1800 V

### APPLICATIONS

- Transistor, diode, IC, thyristor and triac semiconductor protection
- Surge protection in consumer electronics, industrial electronics, communication, home appliances
- Electrostatic discharge and noise spike suppression
- Relay and electromagnetic valve surge absorption



UL1414 E197475  
CSA 225125  
VDE 40013638  
UL1449 3rd Edition E326004

### PART NUMBERING SYSTEM

**MVR**    **05**    **D**    **471**    **K**    **Y**    **-S**

Meritek Series

Element Dia

| CODE | 05   | 07   | 10    | 14    | 18    | 20    | 25    | 32    | 40    | 53    | 34    |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| mm   | Ø5.0 | Ø7.0 | Ø10.0 | Ø14.0 | Ø18.0 | Ø20.0 | Ø25.0 | Ø32.0 | Ø40.0 | Ø53.0 | Ø34.0 |

| CODE | D                   | S             | A    | X       |
|------|---------------------|---------------|------|---------|
|      | Disk or dual square | Single square | Bare | Special |

Varistor Voltage

The first two digits are significant figures and the third one denotes the number of zeros following.

Decimal point is represented by R:

| CODE | 330                    | 471                     | 102                      |
|------|------------------------|-------------------------|--------------------------|
|      | $33 \times 10^0 = 33V$ | $47 \times 10^1 = 470V$ | $10 \times 10^2 = 1000V$ |

Tolerance

| CODE | K    | M    |                              |
|------|------|------|------------------------------|
|      | ±10% | ±20% | Customer special requirement |

Lead Type

| CODE | Blank                                                     | Q     | G    | Y      | O        | I       |
|------|-----------------------------------------------------------|-------|------|--------|----------|---------|
|      | Straight<br>Wire: Less than 25mm<br>Strap: More than 25mm | Strap | Wire | Y kink | Out kink | In kink |

... - S High Surge

\* Notes: A suffix may be added to denote custom features.

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MVR Series

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## • 05D SPECIFICATION

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |                    |     | Maximum Peak Current (8/20 $\mu$ s)(A) |            | Maximum Energy (10/1000 s J) |            | Rated Power | Typical Capacitance |
|----------|---------------------------|--------|------------------|-------------------------|--------------------|-----|----------------------------------------|------------|------------------------------|------------|-------------|---------------------|
|          | Acrms (V)                 | DC (V) | V@1ma (V)        | VC (V)                  | I <sub>p</sub> (A) |     | standard                               | high surge | standard                     | high surge | (w)         | @1KHz (pF)          |
| 05D 180K | 11                        | 14     | 18(15~21)        | 40                      | 1                  | 100 | 250                                    |            | 0.4                          | 0.6        | 0.01        | 1400                |
| 05D 220K | 14                        | 18     | 22(20~24)        | 48                      |                    |     |                                        |            | 0.5                          | 0.7        |             | 1150                |
| 05D 270K | 17                        | 22     | 27(24~30)        | 60                      |                    |     |                                        |            | 0.6                          | 0.9        |             | 930                 |
| 05D 330K | 20                        | 26     | 33(30~36)        | 73                      |                    |     |                                        |            | 0.8                          | 1.1        |             | 760                 |
| 05D 390K | 25                        | 31     | 39(35~43)        | 86                      |                    |     |                                        |            | 0.9                          | 1.2        |             | 640                 |
| 05D 470K | 30                        | 38     | 47(42~52)        | 104                     |                    |     |                                        |            | 1.1                          | 1.5        |             | 530                 |
| 05D 560K | 35                        | 45     | 56(50~62)        | 123                     |                    |     |                                        |            | 1.3                          | 1.8        |             | 450                 |
| 05D 680K | 40                        | 56     | 68(61~75)        | 150                     |                    |     |                                        |            | 1.6                          | 2.2        |             | 370                 |
| 05D 820K | 50                        | 65     | 82(74~90)        | 145                     | 5                  | 400 | 800                                    |            | 2.5                          | 4.0        | 0.10        | 300                 |
| 05D 101K | 60                        | 85     | 100(90~110)      | 175                     |                    |     |                                        |            | 3.0                          | 4.1        |             | 250                 |
| 05D 121K | 75                        | 100    | 120(108~132)     | 210                     |                    |     |                                        |            | 4.0                          | 4.9        |             | 210                 |
| 05D 151K | 95                        | 125    | 150(135~165)     | 260                     |                    |     |                                        |            | 4.8                          | 6.5        |             | 165                 |
| 05D 181K | 115                       | 150    | 180(162~198)     | 320                     |                    |     |                                        |            | 5.9                          | 7.5        |             | 140                 |
| 05D 201K | 130                       | 170    | 200(185~225)     | 355                     |                    |     |                                        |            | 6.5                          | 8.5        |             | 125                 |
| 05D 221K | 140                       | 180    | 220(198~242)     | 380                     |                    |     |                                        |            | 7.0                          | 9.0        |             | 110                 |
| 05D 241K | 150                       | 200    | 240(216~264)     | 415                     |                    |     |                                        |            | 8.0                          | 10.5       |             | 100                 |
| 05D 271K | 175                       | 225    | 270(243~297)     | 475                     |                    |     |                                        |            | 8.5                          | 11.0       |             | 95                  |
| 05D 301K | 190                       | 250    | 300(270~330)     | 520                     |                    |     |                                        |            | 9.0                          | 12.0       |             | 85                  |
| 05D 331K | 210                       | 275    | 330(297~363)     | 570                     |                    |     |                                        |            | 9.5                          | 13.0       |             | 75                  |
| 05D 361K | 230                       | 300    | 360(324~396)     | 620                     |                    |     |                                        |            | 10.0                         | 16.0       |             | 70                  |
| 05D 391K | 250                       | 320    | 390(351~429)     | 675                     |                    |     |                                        |            | 12.0                         | 17.0       |             | 65                  |
| 05D 431K | 275                       | 350    | 430(387~473)     | 745                     |                    |     |                                        |            | 13.0                         | 20.0       |             | 60                  |
| 05D 471K | 300                       | 385    | 470(423~517)     | 810                     |                    |     |                                        |            | 15.0                         | 21.0       |             | 55                  |
| 05D 511K | 320                       | 415    | 510(459~561)     | 845                     |                    |     |                                        |            | 16.0                         | 22.5       |             | 50                  |
| 05D 561K | 350                       | 460    | 560(504~616)     | 920                     |                    |     |                                        |            | 16.0                         | 24.0       |             | 45                  |

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## • 07D SPECIFICATION

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |        | Maximum Peak Current (8/20 $\mu$ s)(A) |            | Maximum Energy (10/1000 s J) |            | Rated Power | Typical Capacitance |
|----------|---------------------------|--------|------------------|-------------------------|--------|----------------------------------------|------------|------------------------------|------------|-------------|---------------------|
|          | Acrms (V)                 | DC (V) | V@1ma (V)        | VC (V)                  | Ip (A) | standard                               | high surge | standard                     | high surge | (w)         | @1KHz (pF)          |
| 07D 180K | 11                        | 14     | 18(15~21)        | 36                      | 2.5    | 250                                    | 500        | 0.9                          | 3.0        | 0.02        | 2800                |
| 07D 220K | 14                        | 18     | 22(20~24)        | 43                      |        |                                        |            | 1.1                          | 2.4        |             | 2300                |
| 07D 270K | 17                        | 22     | 27(24~30)        | 53                      |        |                                        |            | 1.4                          | 3.0        |             | 1800                |
| 07D 330K | 20                        | 26     | 33(30~36)        | 65                      |        |                                        |            | 1.7                          | 3.5        |             | 1500                |
| 07D 390K | 25                        | 31     | 39(35~43)        | 77                      |        |                                        |            | 2.1                          | 4.0        |             | 1300                |
| 07D 470K | 30                        | 38     | 47(42~52)        | 93                      |        |                                        |            | 2.5                          | 5.0        |             | 1100                |
| 07D 560K | 35                        | 45     | 56(50~62)        | 110                     |        |                                        |            | 3.1                          | 6.0        |             | 890                 |
| 07D 680K | 40                        | 56     | 68(61~75)        | 135                     |        |                                        |            | 3.6                          | 7.0        |             | 740                 |
| 07D 820K | 50                        | 65     | 82(74~90)        | 135                     | 10     | 1200                                   | 1750       | 5.5                          | 10.0       | 0.25        | 600                 |
| 07D 101K | 60                        | 85     | 100(90~110)      | 165                     |        |                                        |            | 6.5                          | 12.0       |             | 500                 |
| 07D 121K | 75                        | 100    | 120(108~132)     | 200                     |        |                                        |            | 7.8                          | 13.0       |             | 420                 |
| 07D 151K | 95                        | 125    | 150(135~165)     | 250                     |        |                                        |            | 9.7                          | 13.0       |             | 330                 |
| 07D 181K | 115                       | 150    | 180(162~198)     | 300                     |        |                                        |            | 11.7                         | 16.0       |             | 280                 |
| 07D 201K | 130                       | 170    | 200(185~225)     | 340                     |        |                                        |            | 13.0                         | 17.0       |             | 250                 |
| 07D 221K | 140                       | 180    | 220(198~242)     | 360                     |        |                                        |            | 14.0                         | 19.0       |             | 230                 |
| 07D 241K | 150                       | 200    | 240(216~264)     | 395                     |        |                                        |            | 15.0                         | 21.0       |             | 210                 |
| 07D 271K | 175                       | 225    | 270(243~297)     | 455                     |        |                                        |            | 18.0                         | 24.0       |             | 185                 |
| 07D 301K | 190                       | 250    | 300(270~330)     | 500                     |        |                                        |            | 20.0                         | 26.0       |             | 165                 |
| 07D 331K | 210                       | 275    | 330(297~363)     | 550                     |        |                                        |            | 23.0                         | 28.0       |             | 150                 |
| 07D 361K | 230                       | 300    | 360(324~396)     | 595                     |        |                                        |            | 25.0                         | 32.0       |             | 140                 |
| 07D 391K | 250                       | 320    | 390(351~429)     | 650                     |        |                                        |            | 25.0                         | 35.0       |             | 130                 |
| 07D 431K | 275                       | 350    | 430(387~473)     | 710                     |        |                                        |            | 28.0                         | 40.0       |             | 115                 |
| 07D 471K | 300                       | 385    | 470(423~517)     | 775                     |        |                                        |            | 30.0                         | 42.0       |             | 105                 |
| 07D 511K | 320                       | 415    | 510(459~561)     | 845                     |        |                                        |            | 30.0                         | 45.0       |             | 100                 |
| 07D 561K | 350                       | 460    | 560(504~616)     | 920                     |        |                                        |            | 30.0                         | 49.0       |             | 90                  |
| 07D 621K | 385                       | 505    | 620(558~682)     | 1025                    |        |                                        |            | 33.0                         | 55.0       |             | 80                  |
| 07D 681K | 420                       | 560    | 680(612~748)     | 1120                    |        |                                        |            | 33.0                         | 60.0       |             | 75                  |

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MVR Series

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## • 10D SPECIFICATION

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |                    | Maximum Peak Current (8/20 $\mu$ s)(A) |            | Maximum Energy (10/1000 s J) |            | Rated Power | Typical Capacitance |
|----------|---------------------------|--------|------------------|-------------------------|--------------------|----------------------------------------|------------|------------------------------|------------|-------------|---------------------|
|          | Acrms (V)                 | DC (V) | V@1ma (V)        | VC (V)                  | I <sub>p</sub> (A) | standard                               | high surge | standard                     | high surge | (w)         | @1KHz (pF)          |
| 10D 180K | 11                        | 14     | 18(15~21)        | 36                      | 5                  | 500                                    | 1000       | 2.1                          | 3.0        | 0.05        | 5600                |
| 10D 220K | 14                        | 18     | 22(20~24)        | 43                      |                    |                                        |            | 2.5                          | 5.0        |             | 4500                |
| 10D 270K | 17                        | 22     | 27(24~30)        | 53                      |                    |                                        |            | 3.0                          | 6.0        |             | 3700                |
| 10D 330K | 20                        | 26     | 33(30~36)        | 65                      |                    |                                        |            | 4.0                          | 7.0        |             | 3000                |
| 10D 390K | 25                        | 31     | 39(35~43)        | 77                      |                    |                                        |            | 4.6                          | 9.0        |             | 2400                |
| 10D 470K | 30                        | 38     | 47(42~52)        | 93                      |                    |                                        |            | 5.5                          | 11.0       |             | 2100                |
| 10D 560K | 35                        | 45     | 56(50~62)        | 110                     |                    |                                        |            | 7.0                          | 13.0       |             | 1800                |
| 10D 680K | 40                        | 56     | 68(61~75)        | 135                     |                    |                                        |            | 8.2                          | 15.0       |             | 1500                |
| 10D 820K | 50                        | 65     | 82(74~90)        | 135                     | 25                 | 2500                                   | 3500       | 12.0                         | 17.0       | 0.4         | 1200                |
| 10D 101K | 60                        | 85     | 100(90~110)      | 165                     |                    |                                        |            | 15.0                         | 18.0       |             | 1000                |
| 10D 121K | 75                        | 100    | 120(108~132)     | 200                     |                    |                                        |            | 18.0                         | 21.0       |             | 830                 |
| 10D 151K | 95                        | 125    | 150(135~165)     | 250                     |                    |                                        |            | 22.0                         | 25.0       |             | 670                 |
| 10D 181K | 115                       | 150    | 180(162~198)     | 300                     |                    |                                        |            | 27.0                         | 30.0       |             | 560                 |
| 10D 201K | 130                       | 170    | 200(185~225)     | 340                     |                    |                                        |            | 30.0                         | 35.0       |             | 500                 |
| 10D 221K | 140                       | 180    | 220(198~242)     | 360                     |                    |                                        |            | 32.0                         | 39.0       |             | 450                 |
| 10D 241K | 150                       | 200    | 240(216~264)     | 395                     |                    |                                        |            | 35.0                         | 42.0       |             | 420                 |
| 10D 271K | 175                       | 225    | 270(243~297)     | 455                     |                    |                                        |            | 40.0                         | 49.0       |             | 370                 |
| 10D 301K | 190                       | 250    | 300(270~330)     | 500                     |                    |                                        |            | 40.0                         | 54.0       |             | 330                 |
| 10D 331K | 210                       | 275    | 330(297~363)     | 550                     |                    |                                        |            | 43.0                         | 58.0       |             | 300                 |
| 10D 361K | 230                       | 300    | 360(324~396)     | 595                     |                    |                                        |            | 47.0                         | 65.0       |             | 280                 |
| 10D 391K | 250                       | 320    | 390(351~429)     | 650                     |                    |                                        |            | 60.0                         | 70.0       |             | 260                 |
| 10D 431K | 275                       | 350    | 430(387~473)     | 710                     |                    |                                        |            | 65.0                         | 80.0       |             | 230                 |
| 10D 471K | 300                       | 385    | 470(423~517)     | 775                     |                    |                                        |            | 70.0                         | 85.0       |             | 210                 |
| 10D 511K | 320                       | 415    | 510(459~561)     | 845                     |                    |                                        |            | 70.0                         | 90.0       |             | 200                 |
| 10D 561K | 350                       | 460    | 560(504~616)     | 925                     |                    |                                        |            | 70.0                         | 92.0       |             | 180                 |
| 10D 621K | 385                       | 505    | 620(558~682)     | 1025                    |                    |                                        |            | 70.0                         | 95.0       |             | 160                 |
| 10D 681K | 420                       | 560    | 680(612~748)     | 1120                    |                    |                                        |            | 70.0                         | 98.0       |             | 150                 |
| 10D 751K | 460                       | 615    | 750(675~825)     | 1240                    |                    |                                        |            | 75.0                         | 100.0      |             | 130                 |
| 10D 781K | 485                       | 640    | 780(702~858)     | 1290                    |                    |                                        |            | 80.0                         | 105.0      |             | 130                 |
| 10D 821K | 510                       | 670    | 820(738~902)     | 1355                    |                    |                                        |            | 85.0                         | 110.0      |             | 120                 |
| 10D 911K | 550                       | 745    | 910(819~1001)    | 1500                    |                    |                                        |            | 93.0                         | 130.0      |             | 110                 |
| 10D 102K | 625                       | 825    | 1000(900~1100)   | 1650                    |                    |                                        |            | 102.0                        | 140.0      |             | 100                 |
| 10D 112K | 680                       | 895    | 1100(990~1210)   | 1815                    |                    |                                        |            | 115.0                        | 155.0      |             | 90                  |

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MVR Series

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## • 14D SPECIFICATION

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |        | Maximum Peak Current (8/20 $\mu$ s)(A) |            | Maximum Energy (10/1000 s J) |            | Rated Power | Typical Capacitance |
|----------|---------------------------|--------|------------------|-------------------------|--------|----------------------------------------|------------|------------------------------|------------|-------------|---------------------|
|          | Acrms (V)                 | DC (V) | V@1ma (V)        | VC (V)                  | Ip (A) | standard                               | high surge | standard                     | high surge | (w)         | @1KHz (pF)          |
| 14D 180K | 11                        | 14     | 18(15~21)        | 36                      | 10     | 1000                                   | 2000       | 4.0                          | 7.0        | 0.1         | 11100               |
| 14D 220K | 14                        | 18     | 22(20~24)        | 43                      |        |                                        |            | 5.0                          | 8.0        |             | 9100                |
| 14D 270K | 17                        | 22     | 27(24~30)        | 53                      |        |                                        |            | 6.0                          | 10.0       |             | 7400                |
| 14D 330K | 20                        | 26     | 33(30~36)        | 65                      |        |                                        |            | 7.5                          | 12.0       |             | 6100                |
| 14D 390K | 25                        | 31     | 39(35~43)        | 77                      |        |                                        |            | 8.6                          | 13.0       |             | 5100                |
| 14D 470K | 30                        | 38     | 47(42~52)        | 93                      |        |                                        |            | 10.0                         | 17.0       |             | 4300                |
| 14D 560K | 35                        | 45     | 56(50~62)        | 110                     |        |                                        |            | 11.0                         | 20.0       |             | 3600                |
| 14D 680K | 40                        | 56     | 68(61~75)        | 135                     |        |                                        |            | 14.0                         | 24.0       |             | 2900                |
| 14D 820K | 50                        | 65     | 82(74~90)        | 135                     | 50     | 4500                                   | 6000       | 22.0                         | 27.0       | 0.6         | 2400                |
| 14D 101K | 60                        | 85     | 100(90~110)      | 165                     |        |                                        |            | 28.0                         | 33.0       |             | 2000                |
| 14D 121K | 75                        | 100    | 120(108~132)     | 200                     |        |                                        |            | 32.0                         | 40.0       |             | 1700                |
| 14D 151K | 95                        | 125    | 150(135~165)     | 250                     |        |                                        |            | 40.0                         | 53.0       |             | 1300                |
| 14D 181K | 115                       | 150    | 180(162~198)     | 300                     |        |                                        |            | 50.0                         | 60.0       |             | 1100                |
| 14D 201K | 130                       | 170    | 200(185~225)     | 340                     |        |                                        |            | 57.0                         | 70.0       |             | 1000                |
| 14D 221K | 140                       | 180    | 220(198~242)     | 360                     |        |                                        |            | 60.0                         | 78.0       |             | 900                 |
| 14D 241K | 150                       | 200    | 240(216~264)     | 395                     |        |                                        |            | 63.0                         | 84.0       |             | 830                 |
| 14D 271K | 175                       | 225    | 270(243~297)     | 455                     |        |                                        |            | 70.0                         | 99.0       |             | 740                 |
| 14D 301K | 190                       | 250    | 300(270~330)     | 500                     |        |                                        |            | 77.0                         | 108.0      |             | 670                 |
| 14D 331K | 210                       | 275    | 330(297~363)     | 550                     |        |                                        |            | 85.0                         | 115.0      |             | 610                 |
| 14D 361K | 230                       | 300    | 360(324~396)     | 595                     |        |                                        |            | 93.0                         | 130.0      |             | 560                 |
| 14D 391K | 250                       | 320    | 390(351~429)     | 650                     |        |                                        |            | 100.0                        | 140.0      |             | 510                 |
| 14D 431K | 275                       | 350    | 430(387~473)     | 710                     |        |                                        |            | 115.0                        | 155.0      |             | 460                 |
| 14D 471K | 300                       | 385    | 470(423~517)     | 775                     |        |                                        |            | 125.0                        | 175.0      |             | 430                 |
| 14D511K  | 320                       | 415    | 510(459~561)     | 845                     |        |                                        |            | 125.0                        | 180.0      |             | 390                 |
| 14D 561K | 350                       | 460    | 560(504~616)     | 925                     |        |                                        |            | 125.0                        | 185.0      |             | 360                 |
| 14D 621K | 385                       | 505    | 620(558~682)     | 1025                    |        |                                        |            | 125.0                        | 190.0      |             | 320                 |
| 14D 681K | 420                       | 560    | 680(612~748)     | 1120                    |        |                                        |            | 130.0                        | 200.0      |             | 290                 |
| 14D 751K | 460                       | 615    | 750(675~825)     | 1240                    |        |                                        |            | 143.0                        | 210.0      |             | 270                 |
| 14D 781K | 485                       | 640    | 780(702~858)     | 1290                    |        |                                        |            | 148.0                        | 220.0      |             | 260                 |
| 14D 821K | 510                       | 670    | 820(738~902)     | 1355                    |        |                                        |            | 157.0                        | 235.0      |             | 240                 |
| 14D 911K | 550                       | 745    | 910(819~1001)    | 1500                    |        |                                        |            | 175.0                        | 255.0      |             | 220                 |
| 14D 102K | 625                       | 825    | 1000(900~1100)   | 1650                    |        |                                        |            | 190.0                        | 280.0      |             | 200                 |
| 14D 112K | 680                       | 895    | 1100(990~1210)   | 1815                    |        |                                        |            | 213.0                        | 310.0      |             | 180                 |

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## • 20D SPECIFICATION

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |                    | Maximum Peak Current (8/20 $\mu$ s)(A) |            | Maximum Energy (10/1000 s J) |            | Rated Power | Typical Capacitance |
|----------|---------------------------|--------|------------------|-------------------------|--------------------|----------------------------------------|------------|------------------------------|------------|-------------|---------------------|
|          | Acrms (V)                 | DC (V) | V@1ma (V)        | VC (V)                  | I <sub>p</sub> (A) | standard                               | high surge | standard                     | high surge | (w)         | @1KHz (pF)          |
| 20D 180K | 11                        | 14     | 18(16~20)        | 36                      | 20                 | 2000                                   | 3000       | 11.0                         | 13.0       | 0.2         | 28500               |
| 20D 220K | 14                        | 18     | 22(20~24)        | 43                      |                    |                                        |            | 14.0                         | 16.0       |             | 18500               |
| 20D 270K | 17                        | 22     | 27(24~30)        | 53                      |                    |                                        |            | 16.0                         | 19.0       |             | 13000               |
| 20D 330K | 20                        | 26     | 33(30~36)        | 65                      |                    |                                        |            | 23.0                         | 24.0       |             | 11500               |
| 20D 390K | 25                        | 31     | 39(35~43)        | 77                      |                    |                                        |            | 26.0                         | 28.0       |             | 8500                |
| 20D 470K | 30                        | 38     | 47(42~52)        | 93                      |                    |                                        |            | 30.0                         | 34.0       |             | 7400                |
| 20D 560K | 35                        | 45     | 56(50~62)        | 110                     |                    |                                        |            | 41.0                         | 41.0       |             | 6500                |
| 20D 680K | 40                        | 56     | 68(61~75)        | 135                     |                    |                                        |            | 46.0                         | 49.0       |             | 5800                |
| 20D 820K | 50                        | 65     | 82(74~90)        | 135                     | 100                | 6500                                   | 10000      | 38.0                         | 56.0       | 1.0         | 4900                |
| 20D 101K | 60                        | 85     | 100(90~110)      | 165                     |                    |                                        |            | 45.0                         | 70.0       |             | 4000                |
| 20D 121K | 75                        | 100    | 120(108~132)     | 200                     |                    |                                        |            | 55.0                         | 85.0       |             | 3300                |
| 20D 151K | 95                        | 125    | 150(135~165)     | 250                     |                    |                                        |            | 70.0                         | 106.0      |             | 2700                |
| 20D 181K | 115                       | 150    | 180(162~198)     | 300                     |                    |                                        |            | 85.0                         | 130.0      |             | 2200                |
| 20D 201K | 130                       | 170    | 200(185~225)     | 340                     |                    |                                        |            | 95.0                         | 140.0      |             | 2000                |
| 20D 221K | 140                       | 180    | 220(198~242)     | 360                     |                    |                                        |            | 100.0                        | 155.0      |             | 1800                |
| 20D 241K | 150                       | 200    | 240(216~264)     | 395                     |                    |                                        |            | 108.0                        | 168.0      |             | 1650                |
| 20D 271K | 175                       | 225    | 270(243~297)     | 455                     |                    |                                        |            | 127.0                        | 190.0      |             | 1500                |
| 20D 301K | 190                       | 250    | 300(270~330)     | 500                     |                    |                                        |            | 136.0                        | 210.0      |             | 1300                |
| 20D 331K | 210                       | 275    | 330(297~363)     | 550                     |                    |                                        |            | 150.0                        | 228.0      |             | 1200                |
| 20D 361K | 230                       | 300    | 360(324~396)     | 595                     |                    |                                        |            | 163.0                        | 255.0      |             | 1100                |
| 20D 391K | 250                       | 320    | 390(351~429)     | 650                     |                    |                                        |            | 180.0                        | 275.0      |             | 1000                |
| 20D 431K | 275                       | 350    | 430(387~473)     | 710                     |                    |                                        |            | 190.0                        | 305.0      |             | 930                 |
| 20D 471K | 300                       | 385    | 470(423~517)     | 775                     |                    |                                        |            | 220.0                        | 350.0      |             | 850                 |
| 20D 511K | 320                       | 415    | 510(459~561)     | 845                     |                    |                                        |            | 220.0                        | 360.0      |             | 780                 |
| 20D 561K | 350                       | 460    | 560(504~616)     | 925                     |                    |                                        |            | 220.0                        | 380.0      |             | 710                 |
| 20D 621K | 385                       | 505    | 620(558~682)     | 1025                    |                    |                                        |            | 220.0                        | 390.0      |             | 650                 |
| 20D 681K | 420                       | 560    | 680(612~748)     | 1120                    |                    |                                        |            | 230.0                        | 400.0      |             | 600                 |
| 20D 751K | 460                       | 615    | 750(675~825)     | 1240                    |                    |                                        |            | 255.0                        | 420.0      |             | 530                 |
| 20D 781K | 485                       | 640    | 780(702~858)     | 1290                    |                    |                                        |            | 265.0                        | 440.0      |             | 510                 |
| 20D 821K | 510                       | 670    | 820(738~902)     | 1355                    |                    |                                        |            | 282.0                        | 460.0      |             | 500                 |
| 20D 911K | 550                       | 745    | 910(819~1001)    | 1500                    |                    |                                        |            | 310.0                        | 510.0      |             | 440                 |
| 20D 102K | 625                       | 825    | 1000(900~1100)   | 1650                    |                    |                                        |            | 342.0                        | 565.0      |             | 400                 |
| 20D 112K | 680                       | 895    | 1100(990~1210)   | 1815                    |                    |                                        |            | 383.0                        | 620.0      |             | 360                 |

# Metal Oxide Varistors

MVR Series

MERITEK

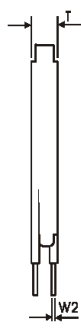
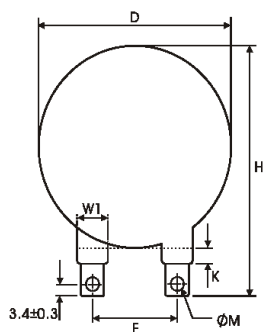
| Part No. | Maximum Allowable Voltage |        | Varistor Voltage | Clamping Voltage (Max.) |                    | Maximum Peak Current (8/20 s)(A) |        | Max. Energy   | Rated Power | Typical Capacitance (Reference) |
|----------|---------------------------|--------|------------------|-------------------------|--------------------|----------------------------------|--------|---------------|-------------|---------------------------------|
|          | AC (V)                    | DC (V) | V @1ma (V)       | VC (V)                  | I <sub>p</sub> (A) | I <sub>n</sub> .                 | I max. | (10/1000 s J) | (w)         | (pF) @1KHz                      |
| 25D 201K | 130                       | 170    | 200(185~225)     | 340                     | 150                | 10000                            | 18000  | 190           | 1.2         | 3200                            |
| 25D 221K | 140                       | 180    | 220(198~242)     | 360                     |                    |                                  |        | 200           |             | 2900                            |
| 25D 241K | 150                       | 200    | 240(216~264)     | 395                     |                    |                                  |        | 220           |             | 2650                            |
| 25D 271K | 175                       | 225    | 270(243~297)     | 455                     |                    |                                  |        | 255           |             | 2400                            |
| 25D 301K | 190                       | 250    | 300(270~330)     | 500                     |                    |                                  |        | 275           |             | 2100                            |
| 25D 331K | 210                       | 275    | 330(297~363)     | 550                     |                    |                                  |        | 300           |             | 1900                            |
| 25D 361K | 230                       | 300    | 360(324~396)     | 595                     |                    |                                  |        | 330           |             | 1750                            |
| 25D 391K | 250                       | 320    | 390(351~429)     | 650                     |                    |                                  |        | 360           |             | 1600                            |
| 25D 431K | 275                       | 350    | 430(387~473)     | 710                     |                    |                                  |        | 380           |             | 1500                            |
| 25D 471K | 300                       | 385    | 470(423~517)     | 775                     |                    |                                  |        | 400           |             | 1400                            |
| 25D 511K | 320                       | 415    | 510(459~561)     | 845                     |                    |                                  |        | 420           |             | 1250                            |
| 25D 561K | 350                       | 460    | 560(504~616)     | 925                     |                    |                                  |        | 440           |             | 1150                            |
| 25D 621K | 385                       | 505    | 620(558~682)     | 1025                    |                    |                                  |        | 450           |             | 1050                            |
| 25D 681K | 420                       | 560    | 680(612~748)     | 1120                    |                    |                                  |        | 460           |             | 950                             |
| 25D 751K | 460                       | 615    | 750(675~825)     | 1240                    |                    |                                  |        | 510           |             | 850                             |
| 25D 781K | 485                       | 640    | 780(702~858)     | 1290                    |                    |                                  |        | 530           |             | 800                             |
| 25D 821K | 510                       | 670    | 820(738~902)     | 1355                    |                    |                                  |        | 570           |             | 750                             |
| 25D 911K | 550                       | 745    | 910(819~1001)    | 1500                    |                    |                                  |        | 62            |             | 700                             |
| 25D 102K | 625                       | 825    | 1000(900~1100)   | 1650                    |                    |                                  |        | 685           |             | 650                             |
| 25D 112K | 680                       | 895    | 1100(990~1210)   | 1815                    |                    |                                  |        | 770           |             | 600                             |

# Metal Oxide Varistors

MVR Series

MERITEK

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage<br>V @1ma (V) | Clamping Voltage (Max.) |                       | Maximum Peak Current (8/20 s)(A) |        | Max. Energy<br>(10/1000 s J) | Rated Power<br>(w) | Typical Capacitance<br>(Reference)<br>(pF) @1KHz |
|----------|---------------------------|--------|--------------------------------|-------------------------|-----------------------|----------------------------------|--------|------------------------------|--------------------|--------------------------------------------------|
|          | AC (V)                    | DC (V) |                                | VC (V)                  | I <sub>p</sub><br>(A) | I <sub>n</sub>                   | I max. |                              |                    |                                                  |
| 32D 201K | 130                       | 170    | 200(185~225)                   | 340                     | 200                   | 15000                            | 25000  | 250                          | 1.4                | 5200                                             |
| 32D 221K | 140                       | 180    | 220(198~242)                   | 360                     |                       |                                  |        | 270                          |                    | 5150                                             |
| 32D 241K | 150                       | 200    | 240(216~264)                   | 395                     |                       |                                  |        | 290                          |                    | 5100                                             |
| 32D 271K | 175                       | 225    | 270(243~297)                   | 455                     |                       |                                  |        | 300                          |                    | 4800                                             |
| 32D 301K | 190                       | 250    | 300(270~330)                   | 500                     |                       |                                  |        | 330                          |                    | 4500                                             |
| 32D 331K | 210                       | 275    | 330(297~363)                   | 550                     |                       |                                  |        | 360                          |                    | 4300                                             |
| 32D 361K | 230                       | 300    | 360(324~396)                   | 595                     |                       |                                  |        | 380                          |                    | 3900                                             |
| 32D 391K | 250                       | 320    | 390(351~429)                   | 650                     |                       |                                  |        | 400                          |                    | 3200                                             |
| 32D 431K | 275                       | 350    | 430(387~473)                   | 710                     |                       |                                  |        | 430                          |                    | 3100                                             |
| 32D 471K | 300                       | 385    | 470(423~517)                   | 775                     |                       |                                  |        | 460                          |                    | 2800                                             |
| 32D 511K | 320                       | 415    | 510(459~561)                   | 845                     |                       |                                  |        | 510                          |                    | 2700                                             |
| 32D 561K | 350                       | 460    | 560(504~616)                   | 920                     |                       |                                  |        | 570                          |                    | 2400                                             |
| 32D 621K | 385                       | 505    | 620(558~682)                   | 1025                    |                       |                                  |        | 600                          |                    | 2200                                             |
| 32D 681K | 420                       | 560    | 680(612~748)                   | 1120                    |                       |                                  |        | 620                          |                    | 2000                                             |
| 32D 751K | 460                       | 615    | 750(675~825)                   | 1240                    |                       |                                  |        | 660                          |                    | 1900                                             |
| 32D 781K | 485                       | 640    | 780(702~858)                   | 1290                    |                       |                                  |        | 700                          |                    | 1800                                             |
| 32D 821K | 510                       | 670    | 820(738~902)                   | 1355                    |                       |                                  |        | 750                          |                    | 1300                                             |
| 32D 911K | 550                       | 745    | 910(819~1001)                  | 1500                    |                       |                                  |        | 780                          |                    | 1200                                             |
| 32D 102K | 625                       | 825    | 1000(900~1100)                 | 1650                    |                       |                                  |        | 810                          |                    | 1100                                             |
| 32D 112K | 680                       | 895    | 1100(990~1210)                 | 1815                    |                       |                                  |        | 910                          |                    | 1000                                             |
| 32D 122K | 750                       | 990    | 1200(1080~1320)                | 1980                    |                       |                                  |        | 960                          |                    | 920                                              |



(mm)

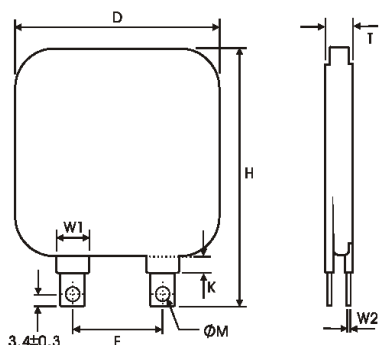
|        |                               |
|--------|-------------------------------|
| D Max. | 38.0                          |
| H Max. | 56.3                          |
| W1±0.5 | 7.0                           |
| W2±0.1 | 0.5                           |
| M±0.2  | 3.8                           |
| F±1.0  | 25.4                          |
| T Max  | Please check dimensions chart |
| K      | ≤ 5.0                         |

# Metal Oxide Varistors

MVR Series

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| Part No. | Maximum Allowable Voltage |        | Varistor Voltage<br>V @1ma (V) | Clamping Voltage (Max.) |                       | Maximum Peak Current (8/20 s)(A) |        | Max. Energy<br>(10/1000 s J) | Rated Power<br>(w) | Typical Capacitance<br>(Reference)<br>(pF) @1KHz |
|----------|---------------------------|--------|--------------------------------|-------------------------|-----------------------|----------------------------------|--------|------------------------------|--------------------|--------------------------------------------------|
|          | AC (V)                    | DC (V) |                                | VC (V)                  | I <sub>p</sub><br>(A) | I <sub>n</sub>                   | I max. |                              |                    |                                                  |
| 34S 201K | 130                       | 170    | 200(185~225)                   | 340                     | 300                   | 20000                            | 40000  | 400                          | 1.4                | 6750                                             |
| 34S 221K | 140                       | 180    | 220(198~242)                   | 360                     |                       |                                  |        | 450                          |                    | 6400                                             |
| 34S 241K | 150                       | 200    | 240(216~264)                   | 395                     |                       |                                  |        | 480                          |                    | 5650                                             |
| 34S 271K | 175                       | 225    | 270(243~297)                   | 455                     |                       |                                  |        | 540                          |                    | 5100                                             |
| 34S 301K | 190                       | 250    | 300(270~330)                   | 500                     |                       |                                  |        | 600                          |                    | 4510                                             |
| 34S 331K | 210                       | 275    | 330(297~363)                   | 550                     |                       |                                  |        | 656                          |                    | 4150                                             |
| 34S 361K | 230                       | 300    | 360(324~396)                   | 595                     |                       |                                  |        | 745                          |                    | 3750                                             |
| 34S 391K | 250                       | 320    | 390(351~429)                   | 650                     |                       |                                  |        | 830                          |                    | 3500                                             |
| 34S 431K | 275                       | 350    | 430(387~473)                   | 710                     |                       |                                  |        | 920                          |                    | 2950                                             |
| 34S 471K | 300                       | 385    | 470(423~517)                   | 775                     |                       |                                  |        | 1000                         |                    | 2880                                             |
| 34S 511K | 320                       | 415    | 510(459~561)                   | 845                     |                       |                                  |        | 1050                         |                    | 2650                                             |
| 34S 561K | 350                       | 460    | 560(504~616)                   | 925                     |                       |                                  |        | 1150                         |                    | 2450                                             |
| 34S 621K | 385                       | 505    | 620(558~682)                   | 1025                    |                       |                                  |        | 1250                         |                    | 2200                                             |
| 34S 681K | 420                       | 560    | 680(612~748)                   | 1120                    |                       |                                  |        | 1250                         |                    | 2000                                             |
| 34S 751K | 460                       | 615    | 750(675~825)                   | 1240                    |                       |                                  |        | 1280                         |                    | 1820                                             |
| 34S 781K | 485                       | 640    | 780(702~858)                   | 1290                    |                       |                                  |        | 1350                         |                    | 1750                                             |
| 34S 821K | 510                       | 670    | 820(738~902)                   | 1355                    |                       |                                  |        | 1395                         |                    | 1650                                             |
| 34S 911K | 550                       | 745    | 910(819~1001)                  | 1500                    |                       |                                  |        | 1475                         |                    | 1500                                             |
| 34S 951K | 575                       | 760    | 950(855~1045)                  | 1500                    |                       |                                  |        | 1485                         |                    | 1430                                             |
| 34S 102K | 625                       | 825    | 1000(900~1100)                 | 1650                    |                       |                                  |        | 1550                         |                    | 1350                                             |
| 34S 112K | 680                       | 895    | 1100(990~1210)                 | 1815                    |                       |                                  |        | 1700                         |                    | 1230                                             |
| 34S 122K | 750                       | 990    | 1200(1150~1320)                | 1980                    |                       |                                  |        | 1750                         |                    | 1135                                             |



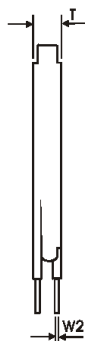
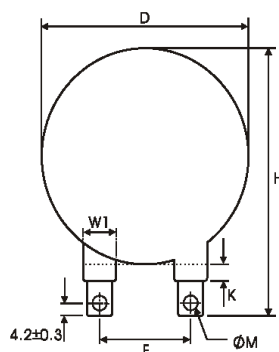
| (mm)   |                               |
|--------|-------------------------------|
| D Max. | 36                            |
| H Max. | 41                            |
| W1±0.5 | 7.0                           |
| W2±0.1 | 0.5                           |
| M±0.2  | 3.8                           |
| F±1.0  | 25.4                          |
| T Max  | Please check dimensions chart |
| K      | ≤ 5.0                         |

# Metal Oxide Varistors

MVR Series

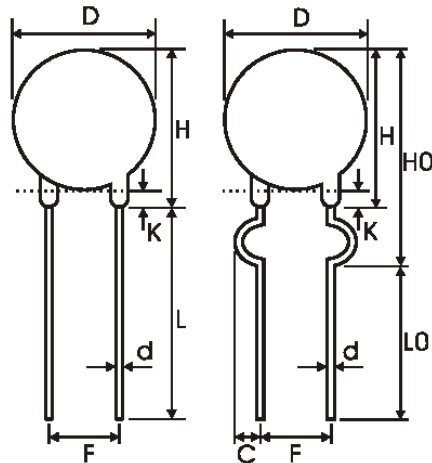
MERITEK

| Part No. | Maximum Allowable Voltage |        | Varistor Voltage<br>V @1ma (V) | Clamping Voltage (Max.) |                    | Maximum Peak Current (8/20 s)(A) |        | Max. Energy<br>(10/1000 s J) | Rated Power<br>(w) | Typical Capacitance<br>(Reference)<br>(pF) @1KHz |
|----------|---------------------------|--------|--------------------------------|-------------------------|--------------------|----------------------------------|--------|------------------------------|--------------------|--------------------------------------------------|
|          | AC (V)                    | DC (V) |                                | VC (V)                  | I <sub>p</sub> (A) | I <sub>n</sub>                   | I max. |                              |                    |                                                  |
| 53D 201K | 130                       | 170    | 200(185~225)                   | 340                     | 500                | 30000                            | 60000  | 550                          | 1.6                | 15000                                            |
| 53D 221K | 140                       | 180    | 220(198~242)                   | 360                     |                    |                                  |        | 600                          |                    | 13750                                            |
| 53D 241K | 150                       | 200    | 240(216~264)                   | 395                     |                    |                                  |        | 650                          |                    | 12500                                            |
| 53D 271K | 175                       | 225    | 270(243~297)                   | 455                     |                    |                                  |        | 700                          |                    | 11000                                            |
| 53D 301K | 190                       | 250    | 300(270~330)                   | 500                     |                    |                                  |        | 760                          |                    | 10000                                            |
| 53D 331K | 210                       | 275    | 330(297~363)                   | 550                     |                    | 35000                            | 70000  | 825                          |                    | 9000                                             |
| 53D 361K | 230                       | 300    | 360(324~396)                   | 595                     |                    |                                  |        | 850                          |                    | 8500                                             |
| 53D 391K | 250                       | 320    | 390(351~429)                   | 650                     |                    |                                  |        | 885                          |                    | 7500                                             |
| 53D 431K | 275                       | 350    | 430(387~473)                   | 710                     |                    |                                  |        | 990                          |                    | 7000                                             |
| 53D 471K | 300                       | 385    | 470(423~517)                   | 775                     |                    |                                  |        | 1080                         |                    | 6500                                             |
| 53D511K  | 320                       | 415    | 510(459~561)                   | 845                     |                    |                                  |        | 1150                         |                    | 6000                                             |
| 53D 561K | 350                       | 460    | 560(504~616)                   | 925                     |                    |                                  |        | 1230                         |                    | 5500                                             |
| 53D 621K | 385                       | 505    | 620(558~682)                   | 1025                    |                    |                                  |        | 1300                         |                    | 5000                                             |
| 53D 681K | 420                       | 560    | 680(612~748)                   | 1120                    |                    |                                  |        | 1350                         |                    | 4500                                             |
| 53D 751K | 460                       | 615    | 750(675~825)                   | 1240                    |                    |                                  |        | 1400                         |                    | 4000                                             |
| 53D 781K | 485                       | 640    | 780(702~858)                   | 1290                    |                    |                                  |        | 1450                         |                    | 3900                                             |
| 53D 821K | 510                       | 670    | 820(738~902)                   | 1355                    |                    |                                  |        | 1600                         |                    | 3700                                             |
| 53D 911K | 550                       | 745    | 910(819~1001)                  | 1500                    |                    |                                  |        | 1700                         |                    | 3300                                             |
| 53D 102K | 625                       | 825    | 1000(900~1100)                 | 1650                    |                    |                                  |        | 1890                         |                    | 3000                                             |
| 53D 112K | 680                       | 895    | 1100(990~1210)                 | 1815                    |                    |                                  |        | 2050                         |                    | 2700                                             |
| 53D 122K | 750                       | 990    | 1200(1080~1320)                | 1980                    |                    |                                  |        | 2050                         |                    | 2500                                             |



|        | (mm)                          |
|--------|-------------------------------|
| D Max. | 60                            |
| H Max. | 78.2                          |
| W1±0.5 | 9.7                           |
| W2±0.1 | 0.7                           |
| M±0.2  | 4.15                          |
| F±1.0  | 25.4                          |
| T Max  | Please check dimensions chart |
| K      | ≤ 5.0                         |

### Dimensions:



K: 3.0 max. L0: 15.0 min. L: 20.0 min.

T Thickness (max)

(Unit:mm)

| Part Code | 05D | 07D | 10D | 14D | 20D  | 25D  | 32D  | 34S  | 53D  |
|-----------|-----|-----|-----|-----|------|------|------|------|------|
| 180K      | 4.5 | 4.5 | 4.6 | 4.6 | 4.8  |      |      |      |      |
| 220K      | 4.6 | 4.6 | 4.7 | 4.7 | 4.9  |      |      |      |      |
| 270K      | 4.7 | 4.7 | 4.8 | 4.8 | 5.1  |      |      |      |      |
| 330K      | 4.9 | 4.9 | 5.0 | 5.0 | 5.3  |      |      |      |      |
| 390K      | 4.8 | 4.8 | 5.3 | 5.3 | 5.5  |      |      |      |      |
| 470K      | 4.9 | 4.9 | 5.4 | 5.4 | 5.6  |      |      |      |      |
| 560K      | 5.0 | 5.0 | 5.5 | 5.5 | 5.7  |      |      |      |      |
| 680K      | 5.2 | 5.2 | 5.6 | 5.6 | 5.8  |      |      |      |      |
| 820K      | 4.1 | 4.1 | 4.7 | 4.7 | 4.9  |      |      |      |      |
| 101K      | 4.3 | 4.3 | 4.9 | 4.9 | 5.1  |      |      |      |      |
| 121K      | 4.5 | 4.5 | 5.1 | 5.1 | 5.3  |      |      |      |      |
| 151K      | 4.8 | 4.8 | 5.4 | 5.4 | 5.6  |      |      |      |      |
| 181K      | 4.3 | 4.3 | 4.8 | 4.8 | 5.0  |      |      |      |      |
| 201K      | 4.4 | 4.4 | 5.0 | 5.0 | 5.2  | 5.4  | 6.2  | 6.4  | 6.3  |
| 221K      | 4.5 | 4.5 | 5.1 | 5.1 | 5.3  | 5.5  | 6.3  | 6.6  | 6.4  |
| 241K      | 4.6 | 4.6 | 5.2 | 5.2 | 5.4  | 5.6  | 6.4  | 6.7  | 6.5  |
| 271K      | 4.9 | 4.9 | 5.4 | 5.4 | 5.6  | 5.8  | 6.6  | 6.9  | 6.7  |
| 301K      | 5.0 | 5.0 | 5.5 | 5.5 | 5.7  | 5.9  | 6.8  | 7.1  | 6.8  |
| 331K      | 5.1 | 5.1 | 5.8 | 5.8 | 6.0  | 6.1  | 6.9  | 7.3  | 7.0  |
| 361K      | 5.2 | 5.2 | 6.0 | 6.0 | 6.2  | 6.4  | 7.1  | 7.6  | 7.2  |
| 391K      | 5.4 | 5.4 | 6.2 | 6.2 | 6.4  | 6.6  | 7.3  | 7.8  | 7.4  |
| 431K      | 5.7 | 5.7 | 6.5 | 6.5 | 6.7  | 6.9  | 7.5  | 8.0  | 7.6  |
| 471K      | 6.0 | 6.0 | 6.7 | 6.7 | 6.9  | 7.1  | 7.8  | 8.3  | 7.9  |
| 511K      | 6.2 | 6.2 | 6.8 | 6.8 | 7.0  | 7.2  | 8.0  | 8.7  | 8.1  |
| 561K      | 6.5 | 6.5 | 7.0 | 7.0 | 7.2  | 7.4  | 8.3  | 9.0  | 8.5  |
| 621K      |     | 7.1 | 7.3 | 7.3 | 7.5  | 7.7  | 8.7  | 9.4  | 8.8  |
| 681K      |     | 7.3 | 7.6 | 7.6 | 7.8  | 8.0  | 9.0  | 9.5  | 9.1  |
| 751K      |     |     | 8.0 | 8.0 | 8.2  | 8.4  | 9.4  | 10.0 | 9.5  |
| 781K      |     |     | 8.1 | 8.1 | 8.3  | 8.5  | 9.6  | 10.2 | 9.7  |
| 821K      |     |     | 8.3 | 8.3 | 8.5  | 8.7  | 9.8  | 10.8 | 9.9  |
| 911K      |     |     | 8.8 | 8.8 | 9.0  | 9.2  | 10.4 | 11.2 | 10.5 |
| 102K      |     |     | 9.3 | 9.3 | 9.5  | 9.7  | 11.2 | 11.2 | 11.3 |
| 112K      |     |     | 9.9 | 9.9 | 10.1 | 10.3 | 11.8 | 12.3 | 11.9 |

|     | D<br>MAX | H<br>MAX | H0<br>MAX | d<br>±0.1 | F<br>±1.0 | C<br>±0.4 |
|-----|----------|----------|-----------|-----------|-----------|-----------|
| 05D | 7.5      | 10.5     | 13.0      | 0.6       | 5         | 1.2       |
| 07D | 9        | 12       | 13.5      | 0.6       | 5         | 1.2       |
| 10D | 12.5     | 16.5     | 17.5      | 0.8       | 7.5       | 1.4       |
| 14D | 16.5     | 20       | 21        | 0.8       | 7.5       | 1.4       |
| 20D | 23       | 26.5     | 28        | 1.0       | 10        | 1.4       |
| 25D | 28       | 32       |           | 1.0       | 10        |           |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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