



Micro Commercial Components



Micro Commercial Components  
20736 Marilla Street Chatsworth  
CA 91311  
Phone: (818) 701-4933  
Fax: (818) 701-4939

**60S05  
thru  
60S10**

## Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Surge Current Capability and Low Leakage
- Glass Passivated Chip
- Halogen free available upon request by adding suffix "-HF"

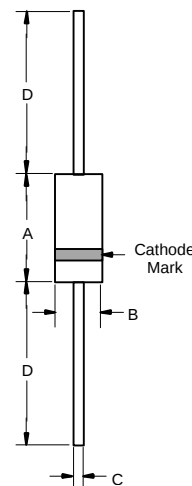
## Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

| MCC Catalog Number | Device Marking | Maximum Reccurent Peak Reverse Voltage | Maximum RMS Voltage | Maximum DC Blocking Voltage |
|--------------------|----------------|----------------------------------------|---------------------|-----------------------------|
| 60S05              | 60S05          | 50V                                    | 35V                 | 50V                         |
| 60S1               | 60S1           | 100V                                   | 70V                 | 100V                        |
| 60S2               | 60S2           | 200V                                   | 140V                | 200V                        |
| 60S4               | 60S4           | 400V                                   | 280V                | 400V                        |
| 60S6               | 60S6           | 600V                                   | 420V                | 600V                        |
| 60S8               | 60S8           | 800V                                   | 560V                | 800V                        |
| 60S10              | 60S10          | 1000V                                  | 700V                | 1000V                       |

**6 Amp Axial-Lead  
Glass Passivated  
Rectifier  
50 - 1000 Volts**

**DO-201AD**



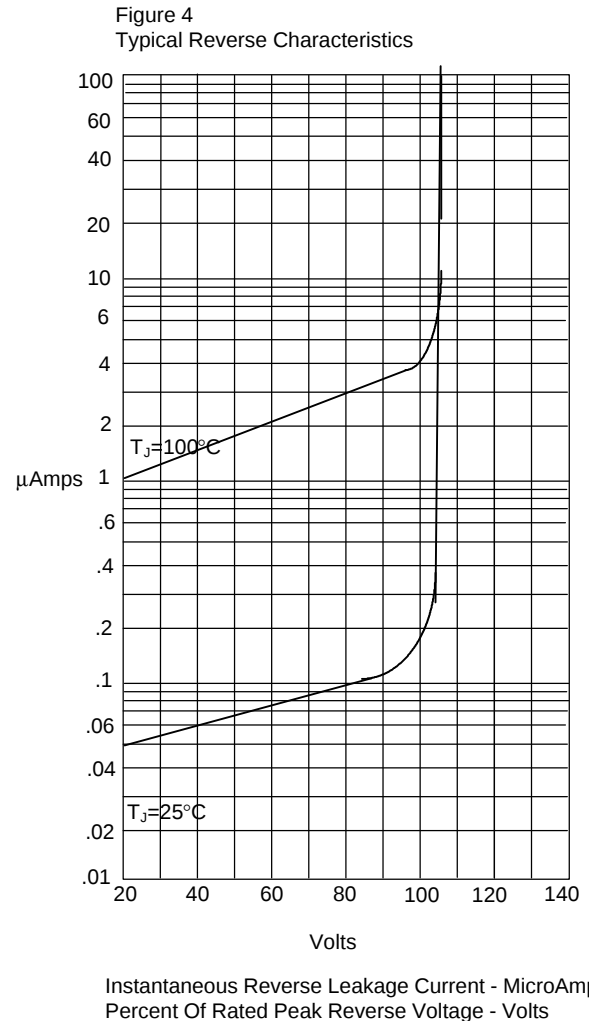
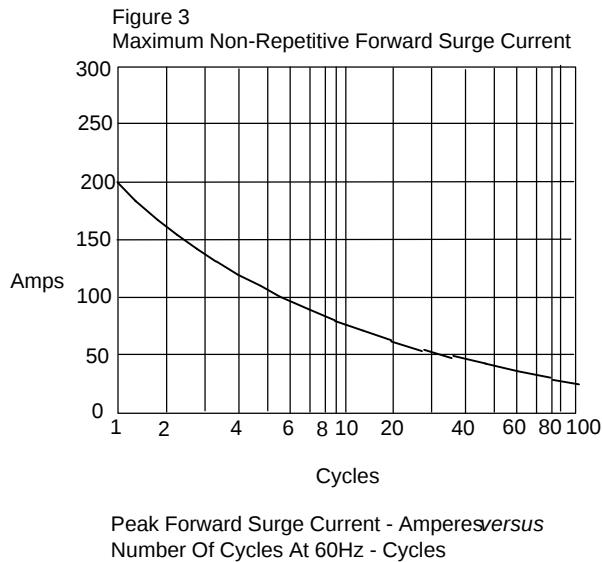
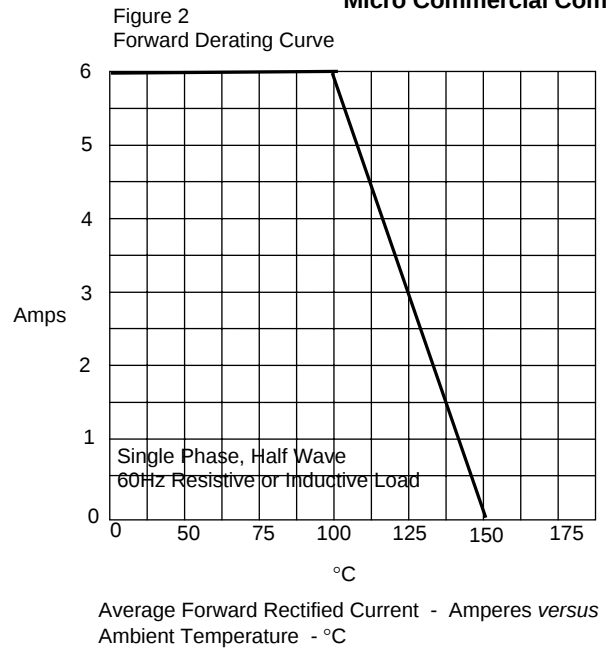
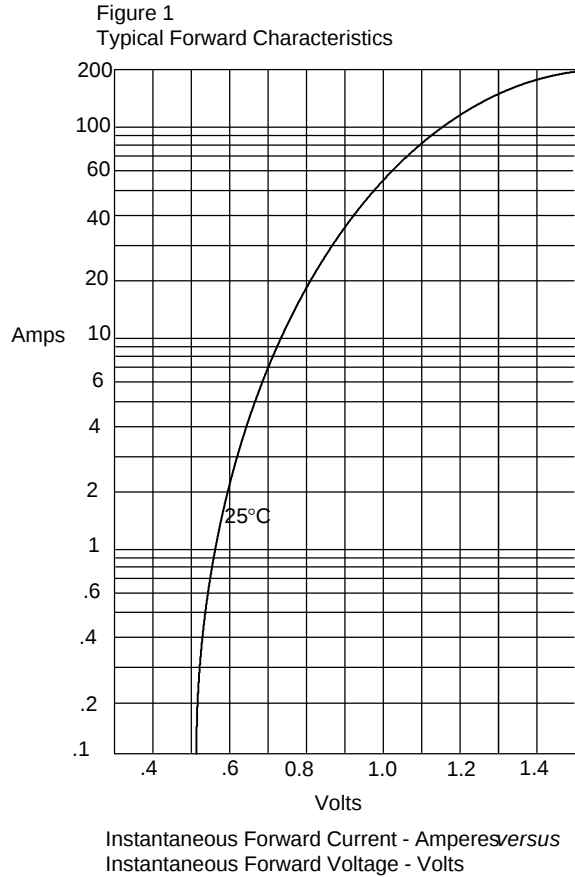
## Electrical Characteristics @ 25°C Unless Otherwise Specified

|                                                         |             |                                      |                                                       |
|---------------------------------------------------------|-------------|--------------------------------------|-------------------------------------------------------|
| Average Forward Current                                 | $I_{F(AV)}$ | 6.0A                                 | $T_A = 100^\circ\text{C}$                             |
| Peak Forward Surge Current                              | $I_{FSM}$   | 200A                                 | 8.3ms, half sine                                      |
| Maximum Instantaneous Forward Voltage                   | $V_F$       | 1.0V                                 | $I_{FM} = 6.0\text{A};$<br>$T_J = 25^\circ\text{C}^*$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | $I_R$       | 5 $\mu\text{A}$<br>100 $\mu\text{A}$ | $T_J = 25^\circ\text{C}$<br>$T_J = 100^\circ\text{C}$ |
| Typical Junction Capacitance                            | $C_J$       | 150pF                                | Measured at<br>1.0MHz, $V_R=4.0\text{V}$              |

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

2.Pulse test: Pulse width 300 sec, Duty cycle 1%

| DIMENSIONS |        |      |       |      |      |
|------------|--------|------|-------|------|------|
| DIM        | INCHES |      | MM    |      | NOTE |
|            | MIN    | MAX  | MIN   | MAX  |      |
| A          | .287   | .374 | 7.30  | 9.50 |      |
| B          | .189   | .208 | 4.80  | 5.30 |      |
| C          | .048   | .052 | 1.20  | 1.30 |      |
| D          | 1.000  | ---  | 25.40 | ---  |      |





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## Ordering Information :

| Device         | Packing                        |
|----------------|--------------------------------|
| Part Number-TP | Tape&Reel: 1.2Kpcs/Reel        |
| Part Number-AP | Ammo Packing: 1.2Kpcs/Ammo Box |
| Part Number-BP | Bulk: 12Kpcs/Carton            |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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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

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

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