

Low Profile Holder Type Crystal Units



This part is a miniature AT cut strip crystal unit with a low profile package. It is with resistance weld.

FEATURES

- Low cost
- Industry standard
- Wide frequency range
- Excellent aging
- 100 % Lead (Pb)-free and RoHS compliant


RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

| PARAMETER | SYMBOL | CONDITION | UNIT | MIN | TYPICAL | MAX |
|-----------------------------|----------------|---------------------|------|-------|---------|--------|
| Frequency Range | F_O | | MHz | 3.200 | | 66.000 |
| Frequency Tolerance | $\Delta F/F_O$ | at 25 °C | ppm | ± 10 | ± 30 | ± 50 |
| Temperature Stability | TC | ref to 25 °C | ppm | ± 10 | ± 30 | ± 50 |
| Operating Temperature Range | T_{OPR} | | °C | - 20 | | + 70 |
| Storing Temperature Range | T_{STG} | | °C | - 40 | | + 85 |
| Shunt Capacitance | C_O | | pF | | | 7 |
| Load Capacitance | CL | Customer Specified | pF | 10 | | Series |
| Insulator Resistance | IR | 100 V _{DC} | MΩ | 500 | | |
| Drive Level | DL | | μW | | 100 | 500 |
| Aging (first year) | Fa | at 25 °C, per year | ppm | - 5.0 | | + 5.0 |

EQUIVALENT SERIES RESISTANCE (ESR) AND MODE OF VIBRATION (MODE)

| FREQUENCY RANGE (MHz) | MAX ESR (Ω) | MODE | FREQUENCY RANGE (MHz) | MAX ESR (Ω) | MODE |
|-----------------------|-------------|----------------|-----------------------|-------------|----------------|
| 3.200 to 4.499 | 150 | Fundamental/AT | 9.000 to 9.999 | 60 | Fundamental/AT |
| 4.500 to 5.999 | 120 | Fundamental/AT | 10.000 to 12.999 | 50 | Fundamental/AT |
| 6.000 to 6.999 | 100 | Fundamental/AT | 13.000 to 30.000 | 40 | Fundamental/AT |
| 7.000 to 7.999 | 90 | Fundamental/AT | 30.000 to 66.000 | 80 | 3rd Overtone |
| 8.000 to 8.999 | 80 | Fundamental/AT | | | |

DIMENSIONS in inches [millimeters]



ORDERING INFORMATION

| XT49S MODEL | R OTR | - 20 LOAD | SP OPTIONS | 12 M FREQUENCY/MHz | e2 JEDEC LEAD (Pb)-FREE STANDARD |
|----------------|--|---|--|-----------------------|--|
| | Blank = Standard R = - 40 °C to + 85 °C | Blank = Series - 16 = 16 pF - 20 = 20 pF Standard - 30 = 30 pF - 32 = 32 pF | Blank = Standard SP = Spacer SL = Sleeve | | |

GLOBAL PART NUMBER

| | | | | | | | | | | | |
|-------|---|---|---|------|---|-----------------|---------|---|-----------|---|---|
| X | T | 9 | S | 2 | 0 | A | N | A | 1 | 2 | M |
| MODEL | | | | LOAD | | PACKAGE CODE | OPTIONS | | FREQUENCY | | |

GLOBAL PART NUMBERING



Example: XT49S-20 40M



Example: XT26T 32.768K



Example: XT57C-20 40M



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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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