

MHZ SMD CRYSTALS

MAIN FEATURE

- Low cost and short lead time • Wide Frequency Range

RFQ

Request For Quotation



L12.5*W4.6*H3.7mm

APPLICATION

- PC, TV and all kind of consumer electronics products

RoHS3 Compliant
RoHS Annex III lead Exemption
(exempt per RoHS EU 2015/863)

STANDARD SPECIFICATION

| Parameter | Value | | | Unit | Condition |
|------------------------------------|----------|------|-------|-----------|--|
| | Min. | Type | Max. | | |
| Frequency Range | 3.570 | | 70.00 | MHz | |
| Oscillation Mode | AT Fund. | | | | 3 RD Overtone Option |
| Frequency Tolerance | - | ±50 | | ppm@25 °C | see p/n guide for more option |
| Operating Temp. Range | -40 | - | +85 | °C | see p/n guide for more option |
| Storage Temp. Range | -55 | - | +125 | °C | |
| Load Capacitance (CL) | - | 18 | - | pF | see p/n guide for more option |
| Frequency Stability | - | ±50 | - | ppm | see p/n guide for more option |
| Equivalent Series Resistance (ESR) | | | 150 | ohm | @3.5700 ~ 5.000MHz |
| | | | 120 | | @5.001 ~ 10.000MHz |
| | | | 80 | | @6.001 ~ 16.000MHz |
| | | | 40 | | @16.001 ~ 36.00MHz |
| | | | 100 | | @30.001 ~ 36.00MHz, 3 rd OT |
| | | | 80 | | @40.001 ~ 70.00MHz, 3 rd OT |
| Drive Level | - | - | 100 | μW | |
| Shunt Capacitance | - | - | 7.0 | pF | |
| Insulation Resistance | 500 | - | | mW | DC/100V +10% |
| Aging per year | - | ±5 | | ppm | @25 °C |

PART NUMBER GUIDE

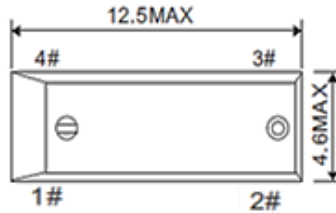
Example: CCME 16M0A50-18-50-40-80 TLH

| | | | | | | | | | | |
|------|------|---|----|-----|-----|-----|-----|---|----|----|
| CCME | 16M0 | A | 50 | -18 | -50 | -40 | -80 | T | LH | XX |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

- 1) CCME: MHz SMD Crystal, 4 pads, L12.5*W4.6*H3.7mm
- 2) 16M0: Frequency Range 16.000MHz or specify frequency range
- 3) A: Oscillation Mode, A: AT Fund.
- 4) 50: Freq. tolerance, 50: +/-50ppm; 10: +/-10ppm; 20: +/-20ppm; 30: +/-30ppm or Specify value
- 5) 18: Load Capacitance(CL), 15: 15pF; 18: 18pF; 20: 20pF; 30: 30pF or Specify CL value
- 6) 50: Frequency Stability, 50: +/-50ppm; 10: +/-10ppm; 20: +/-20ppm; 30: +/-30ppm or Specify value
- 7) 40: Operating Temp. Range, 40: -40°C ~+85°C; 10: -10°C ~+60°C; 20: -20°C ~+70°C; or Specify value
- 8) 80: Equivalent Series Resistance (ESR), 80: 80 ohm Max.
- 9) T: Package in Tape/Reel, 1000pcs/Reel
- 10) LH: RoHS Compliant, RoHS Annex III lead Exemption (exempt per RoHS EU 2015/863)
- 11) XX: Intenal Control Code, 2 letter or digits; Blank: N/A

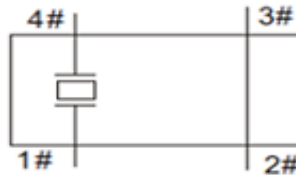
DIMENSION (Unit: mm, Tol.: +/-0.2mm)

Top View

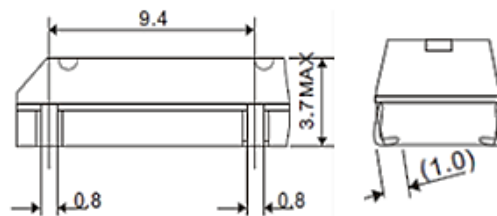


Connection
#1 Crystal
#2 Ground
#3 Crystal
#4 Ground

Bottom View



Side View



Solder Pattern

