

MJ2 CRYSTALS

5mm x 3.2mm SMD 2 Pad

DESCRIPTION

MJ crystals are ultra-miniature surface-mount mount crystals. Produced with both ceramic substrate and ceramic lid the compact size and low mass make this an ideal crystal for high-density applications.

FEATURES

- **Ultra miniature size: 5.0mm x 3.2mm x 1.2mm height**
- **All-ceramic construction with epoxy seal and Au plated pads**
- **Extremely low ageing**
- **High shock and vibration resistance**
- **Ideal for PDAs, GPS, Wireless LAN, and hand-held equipment**

GENERAL SPECIFICATION

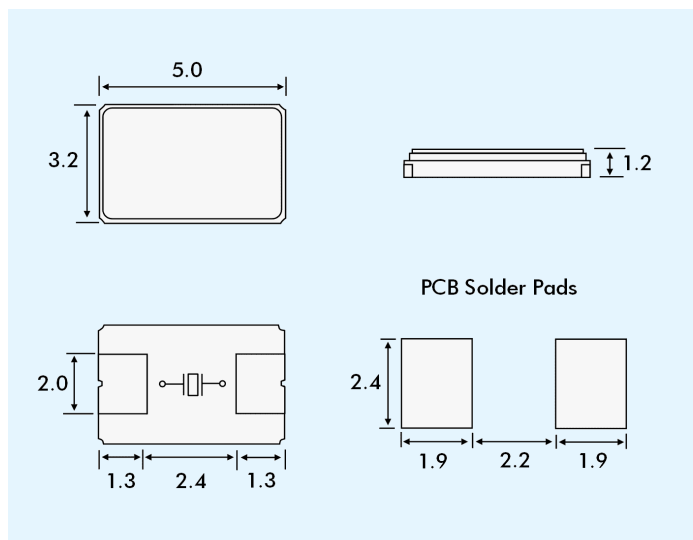
Frequency Range	
AT-Cut Fundamental:	12MHz to 50MHz
Calibration Tolerance at 25°C*:	±50ppm
Frequency stability over temp*:	±50ppm over -20° to +70°C
Storage Temperature:	-40° ~ +85°C
Shunt Capacitance (C0):	5pF maximum
Load Capacitance (CL):	16pF
Ageing:	< ±5ppm per year at +25°C
Drive level:	100nW max
Reflow Soldering:	10s maximum at 235°C ±5°C
Holder:	Ceramic base, ceramic lid, epoxy seal
Supply Packaging:	12mm EIA tape and reel 1000 pieces per reel

* **Note: Tighter tolerance, stability and lower ESR parameters are available, check with Euroquartz technical sales.**

EQUIVALENT SERIES RESISTANCE

Frequency (MHz)	ESR (max) (Ohms)
12.0 ~ 15.99	80
16.0 ~ 19.99	60
20.0 ~ 50.0	40

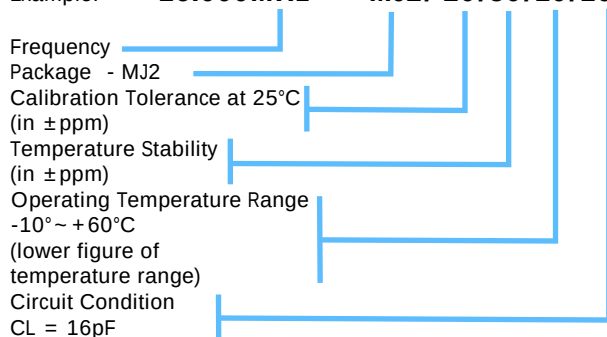
OUTLINES AND DIMENSIONS



PART NUMBER GENERATION

MJ2 crystal part numbers are derived as follows:

Example: **16.000MHz MJ2/ 20/50/10/16pF**



STOCKHOLDING AND CUSTOM PARTS

Certain frequencies and specification of MJ2 crystals are stocked by Euroquartz. Custom frequencies and specifications are readily manufactured to order on short lead times. Contact Euroquartz sales office for details.