



GENERAL CRYSTAL SPECIFICATION : C6

Frequency Range	: 8.000 000 to 80.000 000 MHz.	40.000 000 to 150.000 000 MHz.
Operating Mode	: Fundamental, AT-Cut.	3 rd Overtone, AT-Cut.

Frequency Tolerances

Calibration at + 25.0 °C (Maximum)	: ± 10.0 ppm, ± 30.0 ppm, ± 50.0 ppm.
Over Temperature Range (Maximum)	: ± 10.0 ppm, ± 30.0 ppm, ± 50.0 ppm.
Aging (Maximum per year at + 25.0 °C)	: ± 5.0 ppm (± 3.0 ppm option).

Temperature Range

Operating	: - 20 to + 70 °C (- 40 to + 85 °C, - 40 to + 125 °C options).
Storage	: - 40 to + 85 °C (- 55 to + 125 °C option).

Motional Parameters

Load Capacitance (CL)	: 10.0 pF to Series.	
ESR (Maximum)		
9.000 000 to 10.999 999 MHz	: 100 Ω.	
11.000 000 to 11.999 999 MHz	: 80 Ω.	
12.000 000 to 15.999 999 MHz	: 60 Ω.	
16.000 000 to 80.000 000 MHz	: 40 Ω.	
40.000 000 to 150.000 000 MHz	: 100 Ω.	
Shunt Capacitance (C0) (Maximum)	: 7.0 pF.	
Drive Level (Maximum)	: 300.0 μW (100.0 μW Typical, 10.0 μW Minimum).	
Insulation Resistance	: 500 MΩ Minimum at 100 V _{DC} .	

Package Style : 6.00 x 3.50 x 1.00 mm.

Marking

Line 1	: PDI
Line 2	: Spec. code

Notes

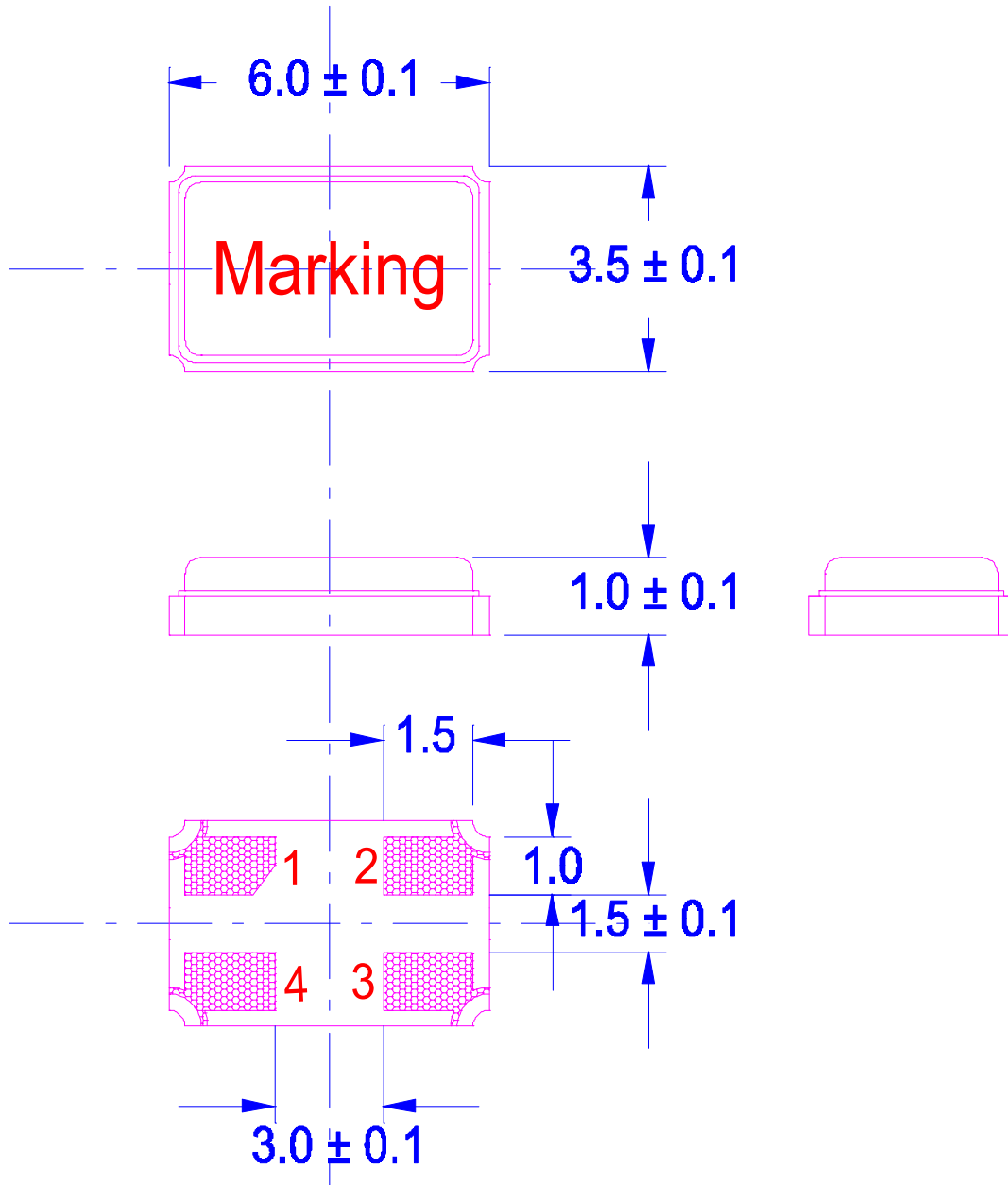
Terminals are Au.
All product is supplied RoHS compliant.
Product can be supplied on Tape and Reel, on reels of 1,000 units.
Not all Frequency / Temperature combinations are available.
Specifications subject to change without notice.



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Package Drawing



Pin Connections

- 1 Xtal
- 2 Ground / Case
- 3 Xtal
- 4 Ground / Case

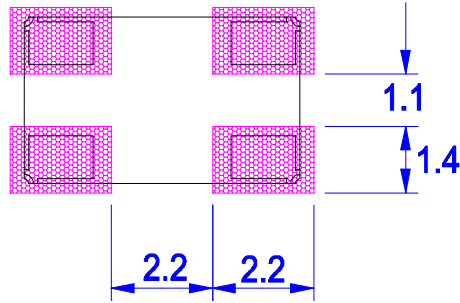
All Dimensions and Tolerances are in mm



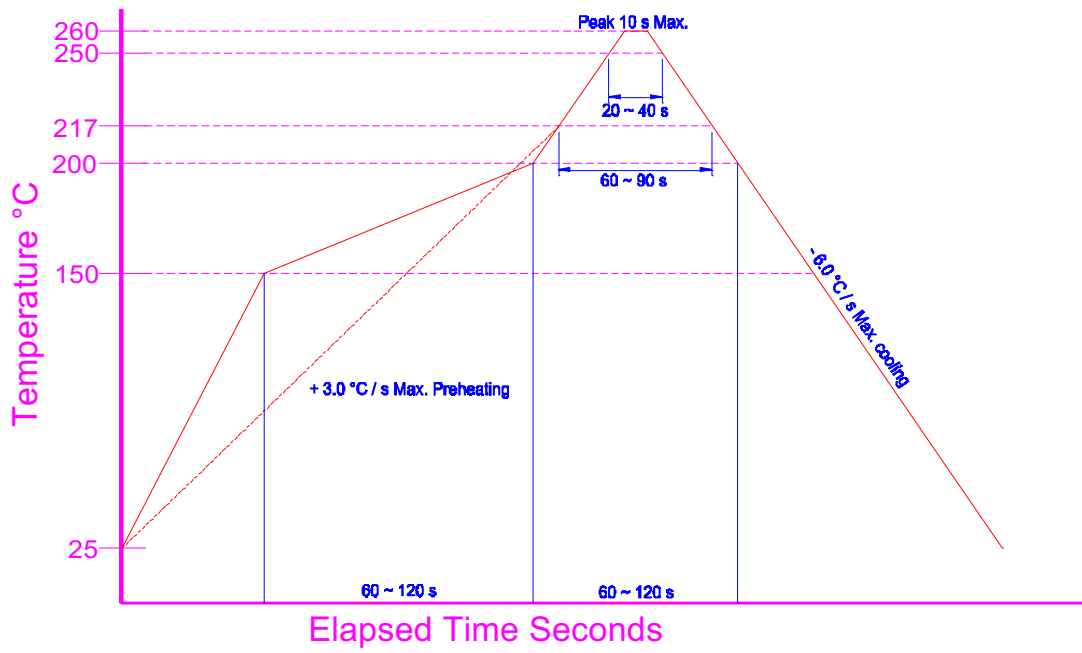
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Solder Pattern (Reference purposes only)



Reflow Solder Profile

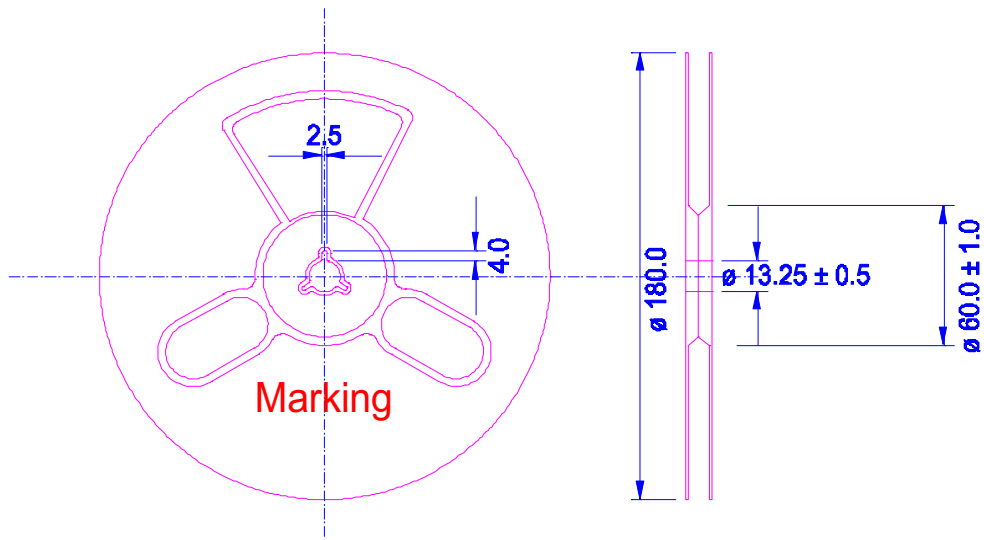
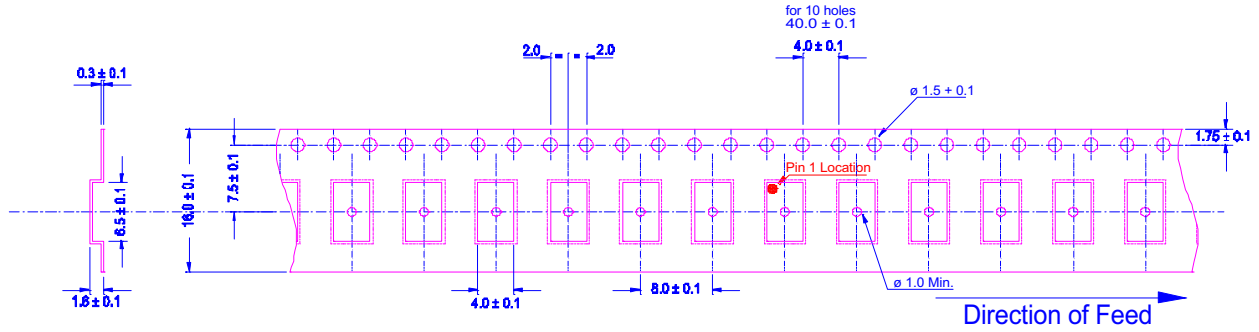




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Tape & Reel Dimensions



Empty Pockets

- Trailing end (Minimum) : 200 mm.
- Leading end (Minimum) : 400 mm.