



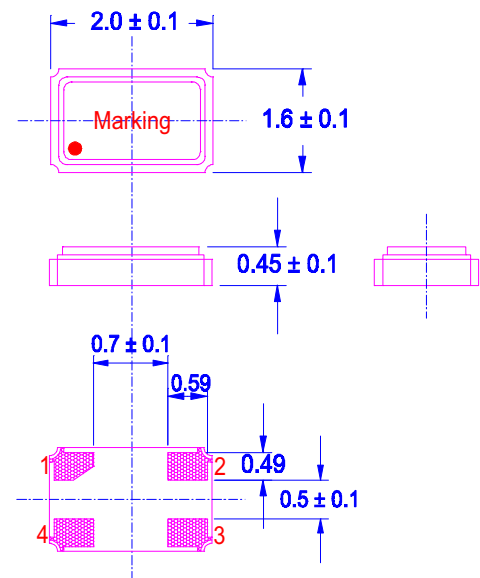
GENERAL XTAL SPECIFICATION - C216



Frequency Range	: 24.000 000 to 60.000 000 MHz.
Operating Mode	: Fundamental.
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.
Ageing (Maximum per year @ 25.0 °C)	: ± 2.0 ppm.
Temperature Range	
Operating	: - 20 to + 70 °C (- 40 to + 85 °C option).
Storage	: - 40 to + 85 °C.
Motional Parameters	
Load Capacitance (CL)	: 8.0 pF to Series.
ESR (Maximum)	
24.000 000 to 25.999 999 MHz	: 80 Ω.
26.000 000 to 53.999 999 MHz	: 60 Ω.
54.000 000 to 60.000 000 MHz	: 50 Ω.
Shunt Capacitance (C0) (Maximum)	: 3.0 pF.
Drive Level (Maximum)	: 50.0 μW.
Insulation Resistance	: 500 MΩ Minimum at 100 V _{DC} .
Package Style	: 2.00 x 1.60 x 0.45 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 3,000 units.



Revision 001 Created on 27/02/2008 by MS

PRECISION DEVICES

USA
TEL: +1 608 831 4445
E-MAIL: info@pdixtal.com
ISO 9001, Reg. No. FM 75597

UK
TEL: +44 (0)1223 834 444
E-MAIL: sales@pdixtal.co.uk
ISO 9001, Reg. No. FM 01995

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

All Dimensions and Tolerances are in mm

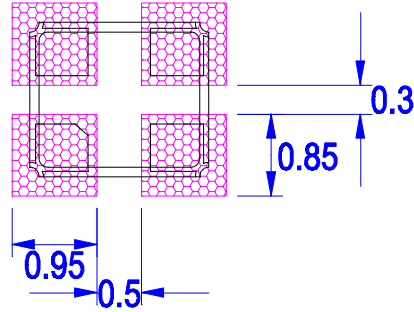


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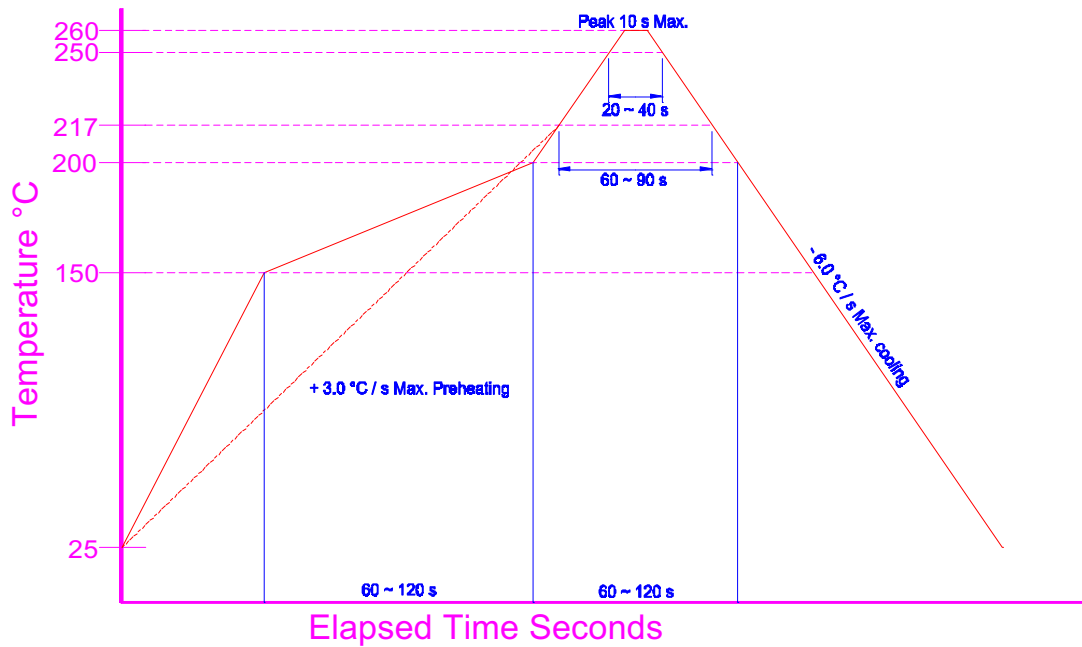
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Recommended Solder Pattern



Reflow Solder Profile



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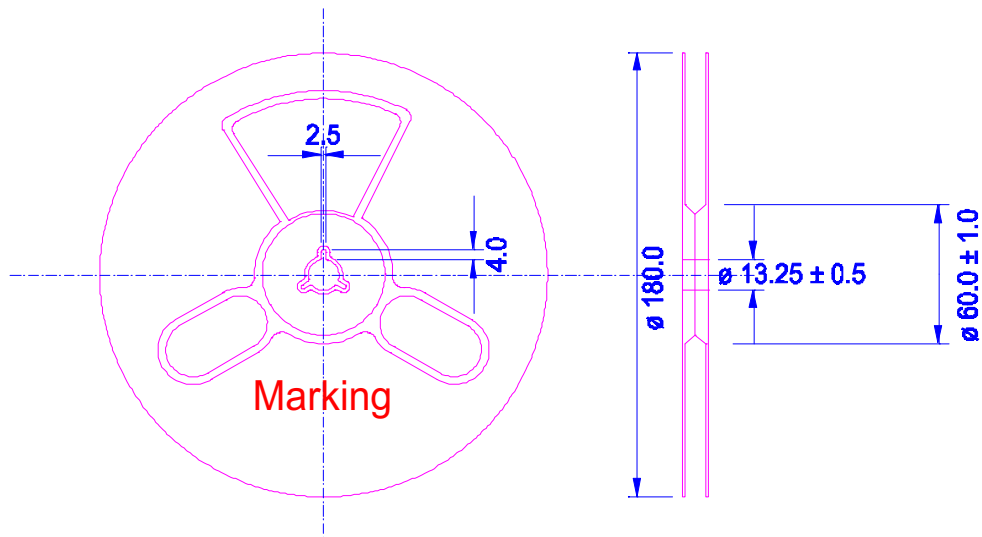
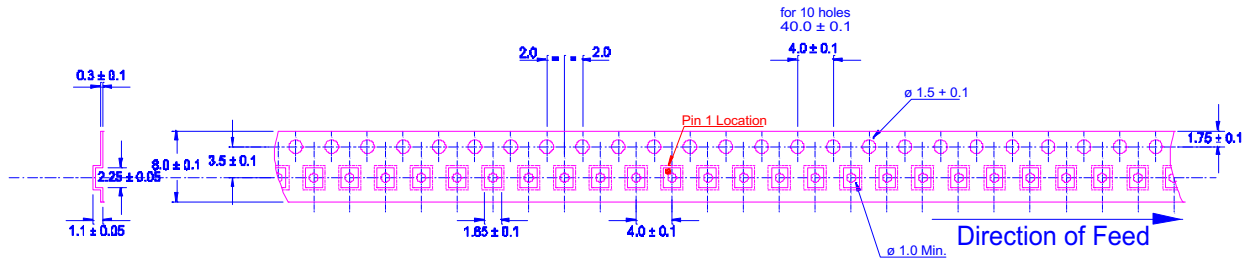


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Tape & Reel Dimensions



Empty Pockets

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

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