



GENERAL OSCILLATOR SPECIFICATION - OC2



Frequency Range	: 1.544 000 to 80.000 000 MHz.			
Frequency Stability	: ± 25.0 ppm, ± 30.0 ppm, ± 50.0 ppm, ± 100.0 ppm.			
All Causes (Maximum)	: ± 25.0 ppm, ± 30.0 ppm, ± 50.0 ppm, ± 100.0 ppm.			
Ageing (Maximum for first year @ 25 ± 3 °C)	: ± 5.0 ppm.			
Temperature Range	: - 20 to + 70 °C (- 40 to + 85 °C option).			
Operating	: - 20 to + 70 °C (- 40 to + 85 °C option).			
Storage	: - 55 to + 125 °C.			
Supply Voltage (± 10.0 %)	: + 3.3 V.	: + 2.8 V.	: + 1.8 V.	: + 1.5 V.
Supply Current (Maximum)				
1.544 000 to 9.999 999 MHz	: 8.0 mA.	: 7.0 mA.	: 6.0 mA.	: 5.0 mA.
10.000 000 to 34.999 999 MHz	: 10.0 mA.	: 8.0 mA.	: 7.0 mA.	: 6.0 mA.
35.000 000 to 49.999 999 MHz	: 25.0 mA.	: 20.0 mA.	: 15.0 mA.	: 15.0 mA.
50.000 000 to 80.000 000 MHz	: 35.0 mA.	: 30.0 mA.	: 25.0 mA.	: 25.0 mA.
Output Characteristics				
Waveform	: Squarewave.			
Output	: HCMOS / TTL.			
Load (Maximum)	: 15 pF or 3 LSTTL gates Maximum.			
Mark Space Ratio (@ 1/2 V _{CC})	: 40:60 (45:55 option).			
Rise / Fall Times (Maximum)				
Rise Time (10 % to 90 % V _{CC})	: 7.0 nS.	: 6.0 nS.	: 5.0 nS.	: 5.0 nS.
Fall Time (90 % to 10 % V _{CC})	: 7.0 nS.	: 6.0 nS.	: 5.0 nS.	: 5.0 nS.
Start up Time (Maximum)	: 10.0 mS.			
Logic Levels				
High (Minimum)	: 0.9 V _{CC} .			
Low (Maximum)	: 0.1 V _{CC} .			
Pin 1 (Tri-State) (option)				
High or Open	: Enable.			
Low	: Disable.			
Package Style	: 2.50 x 2.00 x 0.90 mm.			
Marking				
Line 1	: Spec. code			
Notes				
Terminals to be Au.				
All product supplied in anti-static packaging.				
All product is supplied RoHS compliant.				
Product can be supplied on Tape and Reel.				

Revision 001 Created on 21/08/2008 by MS

PRECISION DEVICES

USA

TEL: +1 608 831 4445

E-MAIL: info@pdixtal.com

ISO 9001, Reg. No. FM 75597

UK

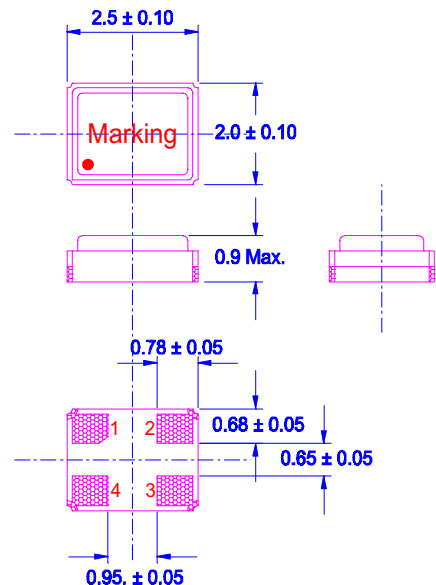
TEL: +44 (0)1223 834 444

E-MAIL: sales@pdixtal.co.uk

ISO 9001, Reg. No. FM 01995

Pin Connections

- 1 Tri-State or Not Connected
- 2 Ground
- 3 Output
- 4 Supply Voltage



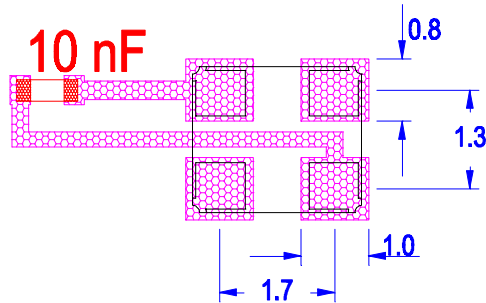
All Dimensions and Tolerances are in mm



GENERAL OSCILLATOR SPECIFICATION - OC2

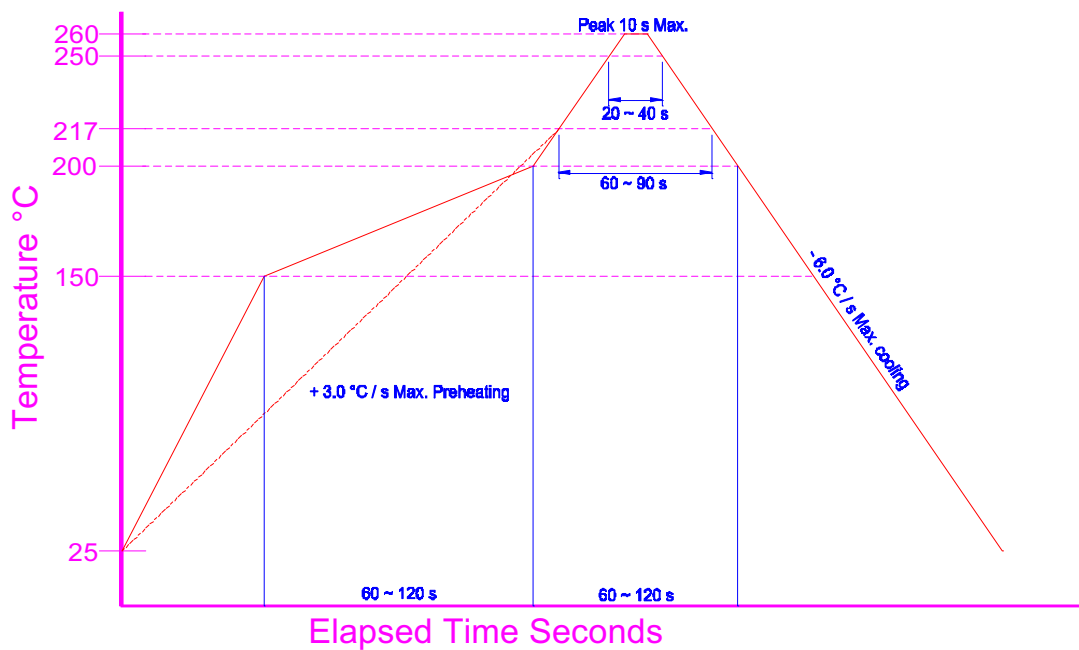


Recommended Solder Pattern



It is recommended that a 10 nF bypass capacitor should be placed between the Supply and Ground Pins to minimise power supply line noise.

Reflow Solder Profile



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

