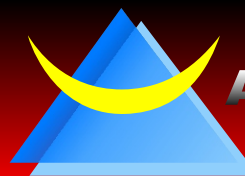


OCB6 SERIES

- 5mm x 3.2mm Ceramic SMD 6 Pads
- 3.3 and 2.5 Volt
- LVPECL or LVDS Output
- RoHS Compliant



ASCEND

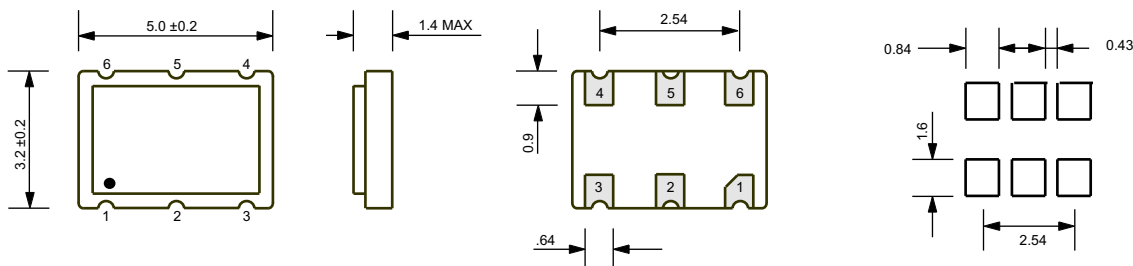
FREQUENCY DEVICES

Electrical Specifications

Frequency Range:	-	25.000MHz to 350.000MHz
Temperature Stability:	-	See ordering options below (Inclusive of Temperature, Load, Voltage and 1 yr Aging)
Operating Temperature Range:	-	See ordering options below
Storage Temperature Range:	-	-55°C to +125°C
Supply Voltage (Vdd):	LVPECL or LVDS	3.3Vdc ±5% or 2.5Vdc ±5%
Supply Current:	2.5Vdc ±5% 3.3Vdc ±5%	55mA Maximum (LVPECL); 70mA Maximum (LVDS) 55mA Maximum (LVPECL); 70mA Maximum (LVDS)
Output Voltage High "1", Voh:	2.5Vdc ±5% 3.3Vdc ±5%	1.475Vdc min (LVPECL); 1.43Vdc typ, 1.60Vdc max. (LVDS) 2.275Vdc min (LVPECL); 1.43Vdc typ, 1.60Vdc max. (LVDS)
Output Voltage Low "0", Vol:	2.5Vdc ±5% 3.3Vdc ±5%	1.095Vdc max (LVPECL); 1.10Vdc typ, 0.90Vdc min. (LVDS) 1.680Vdc max (LVPECL); 1.10Vdc typ, 0.90Vdc min. (LVDS)
Duty Cycle:	at 50% of waveform	40%/60% Maximum or 45%/55% Maximum
Load Drive Capability:	-	50Ω (LVPECL); 100 Ω offset 1.25V typ. (LVDS)
Rise/Fall Time:	at 20% to 80% waveform	1nSec Maximum
Jitter:	at 12kHz to 20MHz (RMS)	0.4pSec typical, 1pSec Maximum
Phase Noise:	F _o = 156.250MHz	-60dBc/Hz at 10Hz Offset -95dBc/Hz at 100Hz Offset -125dBc/Hz at 1kHz Offset -143dBc/Hz at 10kHz Offset -145dBc/Hz at 100kHz Offset -145dBc/Hz at 1MHz Offset -146dBc/Hz at 10MHz Offset
Tri-state Input Voltage:		V _{IH} of 70% of V _{CC} Minimum or No Connect to Enable Output and Complementary Output, V _{IL} of 30% of V _{CC} Maximum to Disable Output and Complementary Output (High Impedance).

Mechanical Dimensions

Pad	FUNCTION
1	Enable / Disable
2	No Connect
3	Case Ground
4	Output
5	Complimentary Output
6	Supply Voltage



MARKING

Line 1: XX.XXX (Frequency)
Line 2: XXXXXX (Date Code)

ALL DIMENSIONS
IN MILLIMETERS

Part Numbering Guide

OCB6 3P A 1 A - 100.000M - TR

Series

5 x 3.2mm Ceramic SMD 6 Pads

Supply Voltage

3P = 3.3V (LVPECL) 3D = 3.3V (LVDS)
2P = 2.5V (LVPECL) 2D = 2.5V (LVDS)

Freq. Toler/Stab.

A = ±100PPM
B = ±50PPM
C = ±25PPM*
D = ±20PPM*

Packaging

Blank = Bulk
TR = Tape and Reel

Frequency

Duty Cycle

A = 40% / 60%
B = 45% / 55%

Temperature Range

1 = 0°C to +70°C
2 = -20°C to +70°C
3 = -40°C to +85°C

* Only available with 0°C to +70°C Operation Temperature Range