

VCC3P (2P) SERIES

- 5mm x 7mm Ceramic SMD 6 Pads VCXO
- 3.3 and 2.5 Volt
- LVPECL or LVDS Output
- RoHS Compliant



ASCEND

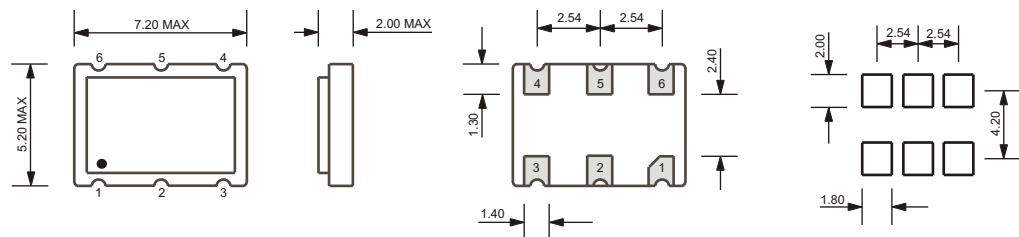
FREQUENCY DEVICES

Electrical Specifications

Frequency Range:	-	1.500MHz to 700.000MHz
Temperature Stability:	-	±25ppm; ±50ppm (Inclusive of Temperature, Load, Voltage and Aging)
Aging:	-	±5ppm Year Maximum
Operating Temperature Range:	-	-10°C to +60°C, -20°C to +70°C, or -40°C to +85°C
Storage Temperature Range:	-	-55°C to +125°C
Supply Voltage (Vdd):	LVPECL or LVDS	3.3Vdc ±5% or 2.5Vdc ±5%
Supply Current:	1.500MHz - 65.000MHz 65.000MHz - 200.000MHz	75mA Maximum (LVPECL); 45mA Maximum (LVDS) 100mA Maximum (LVPECL); 80mA Maximum (LVDS)
Output Voltage Logic "0" (Vol):	2.5Vdc ±5% or 3.3Vdc ±5%	Vdd - 1.620Vdc Minimum (LVPECL); 1.10V Typical (LVDS)
Output Voltage Logic "1" (Voh):	2.5Vdc ±5% or 3.3Vdc ±5%	Vdd - 1.025Vdc Minimum (LVPECL); 1.43V Typical (LVDS)
Duty Cycle:	at 50% of waveform	40%/60% Maximum or 45%/55% Maximum
Load Drive Capability:	-	50Ohms
Rise/Fall Time:	at 20% to 80% waveform	1nSec Maximum
Jitter:	at 12kHz to 20MHz (RMS)	0.4 pSec Typical, 1 pSec Maximum
Linearity	-	±10%
Pullability	-	±70ppm
Control Voltage Range	-	3.3V = .3V min - 3.0Vmax; 2.5V = 0V min - 2.5V max
Output Active	-	0.5V Maximum
Output in High Impedance State	-	3.3V = 2.5V Minimum; 2.5V = 2.0V Minimum

Mechanical Dimensions

Pad	FUNCTION
1	Voltage Control
2	Tri-State
3	Case Ground
4	Output
5	Complimentary Output
6	Supply Voltage



MARKING

Line 1: Ascend
Line 2: XX.XXX (Frequency)
Line 3: XXXXXX (Date Code)

ALL DIMENSIONS
IN MILLIMETERS

Part Numbering Guide

VCC 3P A 1 A L H - 33.000M - TR

Series

5 x7 Ceramic SMD 6 Pads

Supply Voltage

3P = 3.3V
2P = 2.5V

Freq. Toler/Stab.

A = ±50PPM
B = ±25PPM

Temperature Range

1 = -10°C to +60°C
2 = -20°C to +70°C
3 = -40°C to +85°C

Packaging

Blank = Bulk
TR = Tape and Reel

Frequency

Enable/Disable

L = Enable Low
H = Enable High

Output

L = LVPECL
V = LVDS

Duty Cycle

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