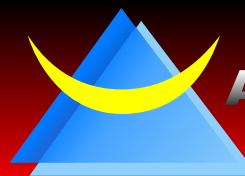


VE5P(3P) SERIES

- 6 Pad SMD VCXO
- 5.0 and 3.3
- Complimentary PECL Output
- Less than 1pSec RMS Jitter



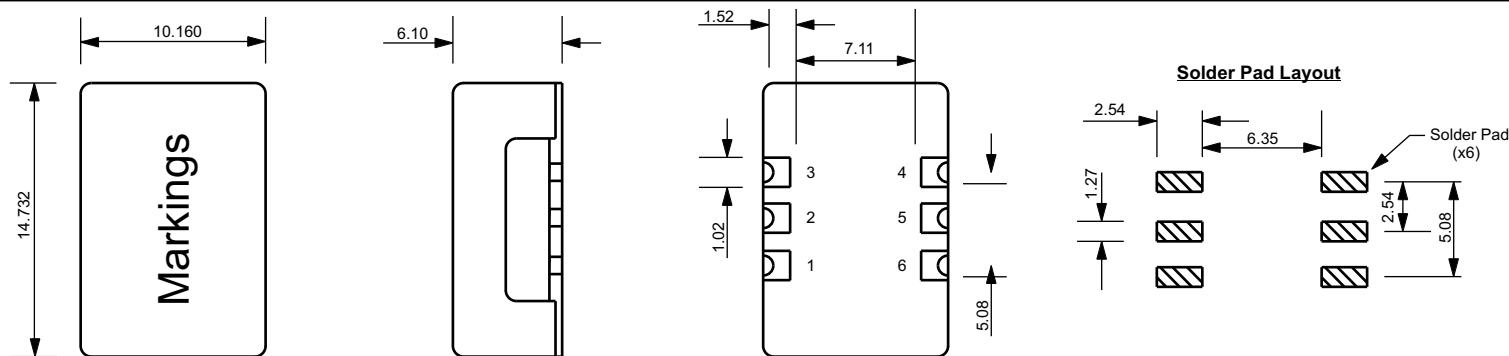
ASCEND

FREQUENCY DEVICES

Electrical Specifications

Frequency Range:	-	20.000MHz to 250.000MHz
Frequency Stability:	-	±100ppm to ±20ppm (Inclusive of Temperature, Load, Voltage, and Aging)
Operating Temperature Range:	-	0°C to +70°C or -40°C to +85°C
Storage Temperature Range:	-	-55°C to +125°C
Supply Voltage (Vdd):	-	5.0Vdc ±5% or 3.3Vdc ±5%
Supply Current:	-	80mA maximum
Output Voltage:	Logic 0 Logic 1	Vdd -1.620 Vdc maximum Vdd -1.025 Vdc maximum
Duty Cycle:	50% of waveform	50% ±5% maximum
Load Drive Capability:	-	50 Ohms into Vdd ±2.00Vdc
Rise/Fall Time:	20% to 80% of waveform	2nSec maximum
Jitter:	RMS (12KHz to 20MHz)	1pSec maximum
Control Voltage Range:	Vdd = 3.3V Vdd = 5.0V	1.65Vdc ±1.5Vdc Postive Slopes 2.50Vdc ±2.0Vdc Postive Slopes
Frequency Deviation:	-	±50ppm (Under all conditions including 10 years aging)
Input Impedence::	-	10K Ohms minimum

Mechanical Dimensions



MARKING

Line 1: Ascend
Line 2: XX.XXXR
("R" Denotes RoHS Compliance)
Line 3: XXXXXX (Date Code)

Pad	FUNCTION
1	Voltage Control
2	N/C or Tri-State
3	Case Ground
4	Output
5	Complimentary Output
6	Supply Voltage (Vdd)

ALL DIMENSIONS
IN MILLIMETERS

Part Numbering Guide

VE 5P A 1 A N - 33.000M TR

Series
6 Pad SMD VCXO

Supply Voltage
5P = 5.0V
3P = 3.3V

Freq. Toler/Stab.
A = ±100PPM
B = ±50PPM
C = ±25PPM
D = ±20PPM (Only from 0°C to 70°C OTR)

Temperature Range
1 = 0°C to +70°C
2 = -40°C to +85°C

Value Added Options
TR = Tape and Reel

Frequency

Pin 2 Connection
N = No Connect
T = Tri-State

Duty Cycle
A = 45% / 55%