



VVB1/VVB2 Half Size VCXO

Package Option	B1 = 0.5" x 0.5" x 0.2" 14 Half Size DIP B2 = 0.5" x 0.5" x 0.2" 14 Half Size Gull Leaded Surface Mount
Frequency Range	1.0 to 40 MHz (Fundamental <80ps/pk-pk Jitter) 40 to 160 MHz uses a low jitter internal multiplier IC (<150ps/pk-pk Jitter) which improves aging and pullability but will also increase phase noise
Electrical Options	A = +5.0 Vdc $\pm$ 20% Linearity B = +3.3 Vdc $\pm$ 20% Linearity E = +5.0 Vdc $\pm$ 10% Linearity F = +3.3 Vdc $\pm$ 10% Linearity
Voltage Control Range Slope Positive	1 = $\pm$ 50 PPM Minimum 2 = $\pm$ 100 PPM Minimum 3 = $\pm$ 150 PPM Minimum 4 = $\pm$ 200 PPM Minimum
Stability Options (Inclusive of Operating Temperature, Supply Voltage and Load)	A = $\pm$ 100 PPM 0C to +70C B = $\pm$ 50 PPM 0C to +70C C = $\pm$ 100 PPM -40C to +85C D = $\pm$ 50 PPM -40C to +85C E = $\pm$ 25 PPM 0C to +70C
Calibration Tolerance	$\pm$ 25 PPM at +25 $\pm$ 2C at Center Voltage
Duty Cycle	40/60
Start-Up	20 ms Maximum
Aging	<5.0 PPM/First year at +40C dynamic A1 and A2 Package
Load	15 pF HCMOS or 5 TTL Maximum
Current	20 mA Maximum $\leq$ 20 MHz 40 mA Maximum $\leq$ 30MHz 50 mA Maximum >30MHz
STD Package	B1 Anti Static Tubes B2 Tape & Reel 250 pcs/reel



Environmental and Mechanical Compliance

Parameter	Conditions
Mechanical Shock	MIL-STD-883, 2002.3 B
Mechanical Vibration	MIL-STD-883, 2007.1 B
Lead Solderability	MIL-STD-883, 2003.5
Gross Leak	MIL-STD-883, 1014.7
Fine Leak	MIL-STD-883, 1014.7
Storage Temperature	-55C to 125C

