

MTJH, MTJS, & MTJZ SERIES TCXO



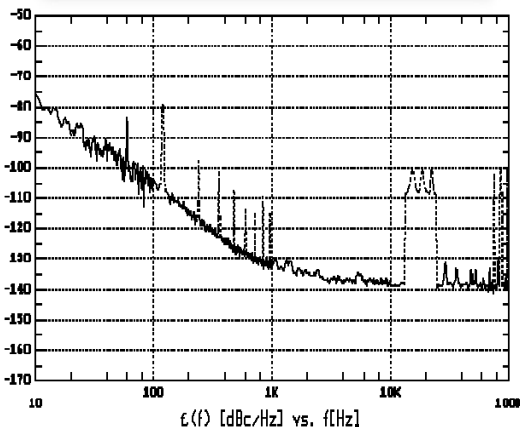
- 11.7 X 9.6 SMD Package
- Voltage Control Option
- Wide Frequency Range
- RoHS Compliant Available



Output	HCMOS	Clipped Sinewave	Sinewave
Frequency Range	9.600MHZ to 50.000MHZ		
Load	10k Ohms // 15pF	10k Ohms // 15pF	50 Ohms
Supply Current	35mA max	3mA max	25mA max
Output Level	Logic "1" = 90% of Vdd min Logic "0" = 10% of Vdd max	1.0V p-p min	7 dBm
Symmetry	See Part Numbering Guide	N/A	N/A
Freq. Stability vs Temp (Note 1)	(See Frequency Stability vs Temperature Table)		
Freq. Stability vs Aging	±1 ppm per year max		
Freq. Stability vs Voltage	±0.3 ppm with a 5% change in Vdd		
Freq. Stability vs Load	±0.3 ppm with a 10% change in Load		
Operating Range	(See Frequency Stability vs Temperature Table)		
Storage Temperature	-40°C to +85°C		
Supply Voltage (Vdd)	+3.3VDC ±5%	+5.0VDC ±5%	
Control Voltage with VC option	+1.65VDC ±1.50VDC Positive Slope	+2.50VDC ±2.00VDC Positive Slope	
Pin 1 Connection			
No Connection	No Connection		
VC Option	±10 ppm min		

Note 1: Oscillator frequency shall be ±1 ppm at +25°C ±3°C at time of shipment.

Phase Noise



Marking Detail

Line 1 = MXXXXX	
M	= MMD
XXXXX	= Frequency in MHZ
Line 2 = SYYWWL	
S	= Internal Code
YYWW	= 4 Digit Date Code (Year / Week)
L	= Denotes RoHS Compliant
Line 3 = XXXXX	
Internal use only	
May vary with lots	
Black dot to denote Pin 1	

Envir & Mech Detail

Shock	MIL-STD-883, Method 2002, Condition B
Solderability	MIL-STD-883, Method 2003
Vibration	MIL-STD-883, Method 2007, Condition A



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