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Output		HCMOS	Clipped Sinewave	Sinewave
Frequency Range	Fund or 3 rd OT	1.000KHZ to 180.000MHZ	1.000KHZ to 180.000MHZ	1.000KHZ to 180.000MHZ
	PLL	75.000KHZ to 200.000MHZ	75.000KHZ to 800.000MHZ	75.000KHZ to 800.000MHZ
Load		10k Ohms // 15pF	10k Ohms // 15pF	50 Ohms
Supply Current		35mA max	3mA max	35mA max
Output Level		Logic "1" = 90% of Vdd min Logic "0" = 10% of Vdd max	1.0V p-p min	0 dBm min
Symmetry		40%/60% at 50% of Waveform	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		
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		
Mechanical Trimmer when Specified		±3 ppm min If no mechanical trimmer is specified, trimmer may still be present depending on frequency stability option.		

14 PIN DIP TXCO

Series Options
B = B Series (5.0 mm ht)

Output
H = HCMOS
S = Clipped Sinewave
Z = Sinewave

Supply Voltage
5 = +5.0VDC
3 = +3.3VDC

RoHS Compliant
Blank = Not Compliant
F = is Compliant

Frequency Stability
10 = ± 1.0 ppm
15 = ± 1.5 ppm
20 = ± 2.0 ppm
25 = ± 2.5 ppm
30 = ± 3.0 ppm
50 = ± 5.0 ppm

Operating Temperature
A = 0°C to +50°C
C = -20°C to +70°C
D = -30°C to +70°C
E = -30°C to +80°C
F = -40°C to +85°C
G = 0°C to +70°C

Value Added Options
Blank = No Added Options
G = Gull-wing

Trimmer Option
Blank = No Trimmer
M = Mechanical Trimmer

Pin 1 Connection
Blank = N/C
V = Voltage Control

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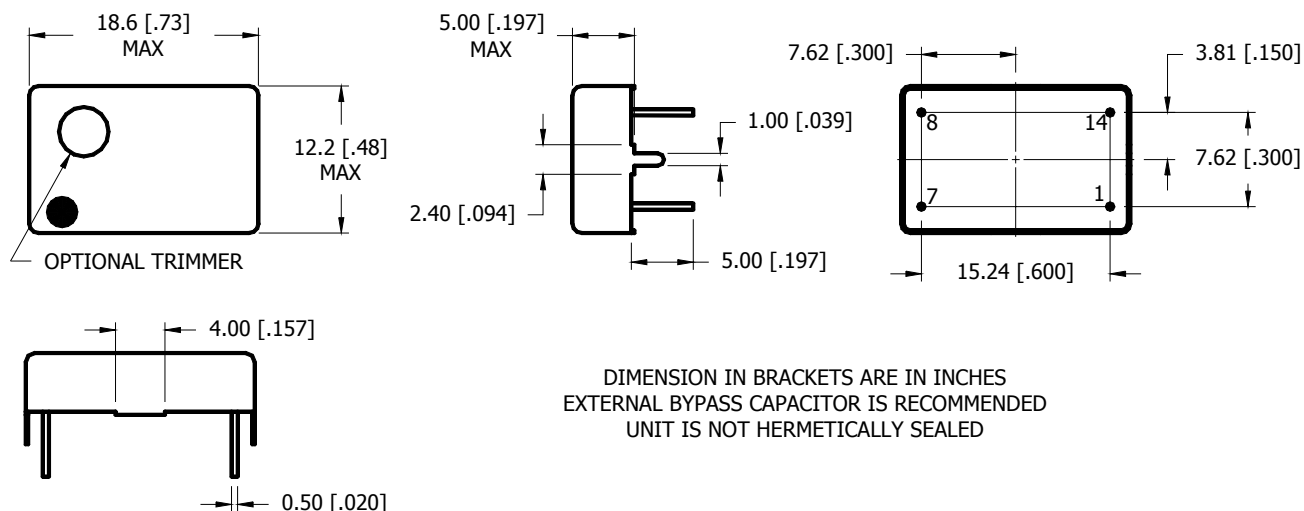
FREQUENCY STABILITY vs TEMPERATURE TABLE:

Code	Stability Temp	10	15	20	25	30	50
		±1.0ppm	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm	±5.0ppm
A	0°C TO +50°C	●	●	●	●	●	●
G	0°C TO +70°C	□	●	●	●	●	●
C	-20°C TO +70°C	□	□	●	●	●	●
D	-30°C TO +70°C	□	□	□	●	●	●
F	-40°C TO +85°C	□	□	□	□	□	●

● = Available

□ = Consult with the Manufacturer

MECHANICAL DIMENSIONS:



ENVIRONMENT / MECHANICAL:

Shock	MIL-STD-883, Method 2002, Condition B
Solderability	MIL-STD-883, Method 2003
Solvent Resistance	MIL-STD-883, Method 215
Vibration	MIL-STD-883, Method 2007, Condition A

PIN CONNECTIONS:

Pin 1	Control Voltage or N/C See note below
Pin 7	Case Ground
Pin 8	Output
Pin 14	Supply voltage (Vdd)

Note: If Pin 1 is not connected, pin may be deleted

MARKING:

Line 1 = MXXXXX

M = MMD COMPONENTS

XXXXX = Frequency in MHZ

Line 2 = SYMMML

S = Internal Code

YYMM = 4 Digit Date Code (Year / Month)

L = Denotes RoHS Compliant

Line 3 = XXXXX

Internal use only

May vary with lots

Black dot to denote Pin 1

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