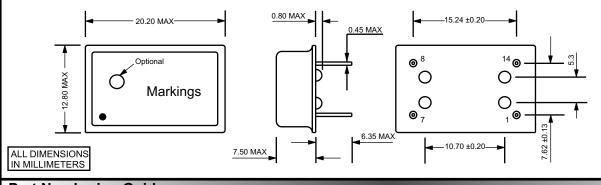
TFS1 SERIES

- 5.0 or 3.3 Volt TXCO
- HCMOS, Sinewave, Clipped Sine
- 1.000MHz to 160.000MHz
- Stability Down to ±1ppm



Electrical Specification	ns	
Frequency Range:	H Option = HCMOS Output	1.000MHz to 160.000MHz
	C Option = Clipped Sine Output	8.000MHz to 160.000MHz
	Z Option = Sinewave Output	8.600MHz to 160.000MHz
Frequency Tolerance:	at 25°C ±2°C	±1.0ppm (without trimmer only)
Frequency Stability:	-	Select from part numbering guide below
	vs. Aging	±1ppm per year maximum
	vs. Voltage (with a 5% change)	±0.2ppm
	vs. Load (with a 10% change)	±0.2ppm
Output Load;	H Option or C Option	10K Ohms // 15pF
	Z Option	50 Ohms
Supply Current:	H Option	35mA Maximum
	C Option	3mA Maximum
	Z Option	5mA Maximum
Output:	H Option	Logic "1" Level = 0.9Vdd Minimum; Logic "0" Level = 0.1Vdd Maximum
	C Option	1.0V p-p Minimum
	Z Option	7dBm Minimum
Operating Temperature Range:	-	0°C to +50°C to -40°C to +85°C
Storage Temperature Range:	-	-40°C to +85°C
Supply Voltage (Vdd):	-	3.3Vdc ±5% or 5.0Vdc ±5%
Internal Trim (Top of Can)	-	±3ppm Minimum
Control Voltage:	Vdd = 3.3V	1.65Vdc ±1.5Vdc (Positive Slope)
	Vdd = 5.0V	2.5Vdc ±2.0Vdc (Positive Slope)
Symmetry:	at 50% of waveform with HCMOS Load	40% / 60%
Pad 1 Connection:	-	No Connect (Blank Option); ±10ppm Minimum (V Option)

Mechanical Dimensions



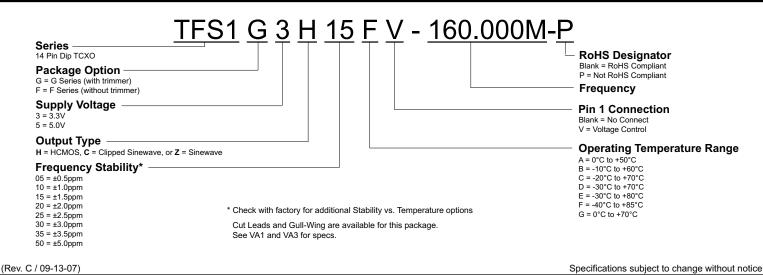
Pin	FUNCTION	
1	N/C or Control Voltage	
7	Case Ground	
8	Output	
14	Supply Voltage	

MARKING

Line 1: Ascend Line 2: XX.XXXR

("R" Denotes RoHS Compliance) Line 3: XXXXXX (Date Code)

Part Numbering Guide



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