

TCXO3189
19.2MHz TCXO

Specifications

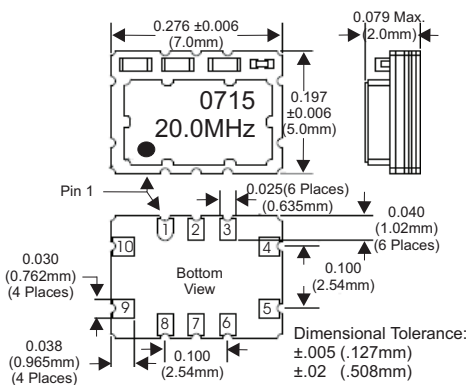
Operating Frequency	19.2 MHz
Power Supply	5 Volt +/- 5%
Current Drain	6 mA typical ;
Output Type	HCMOS
Control Voltage Range	2.5 V +/- 2.0 V (PIN 10)
Frequency versus Control Voltage	+/- 10 ppm minimum
Linearity	5%
Input Impedance	100K ohm min.
Slope	Positive (Increasing Frequency with Increasing Voltage)
Operating Temperature Range	-40C to 85C
Frequency versus Temperature	+/- 0.250 ppm
Frequency Aging over 20 years	+/- 1.000 ppm
Frequency versus Voltage Change	+/- 0.2 ppm
Frequency versus Load Change	+/- 0.2 ppm
Frequency Calibration at 25C with 2.5 Volts on Vcontrol	+/- 1.000 ppm max.
Frequency Shift after Reflow	+/- 1.000 ppm max.

Enable / Disable Pin 8	Output Signal Present (70% of Vcc min. applied to Pin 8 or OPEN)
Disable 8	Output Signal Turned Off (30% of Vcc max. applied to Pin 8)
Phase Noise	10 Hz -90 dBc/Hz 100 Hz -120 dBc/Hz 1KHz -140 dBc/Hz 10KHz -150 dBc/Hz

HCMOS Output Characteristics

Logic 1	90% Vcc min.
Logic 0	10% Vcc max.
Duty Cycle	50% +/- 5%
Load Capacitance	15 pF maximum
Rise / Fall Time	8 nS max.

Package Layout



Pin Connections

1	Do not connect
2	Do not connect
3	Do not connect
4	Ground
5	Output
6	Do not connect
7	Do not connect
8	Tri-state Enable / Disable
9	Supply, Vcc
10	Voltage Control (VCTCXO) N/C (TCXO)