

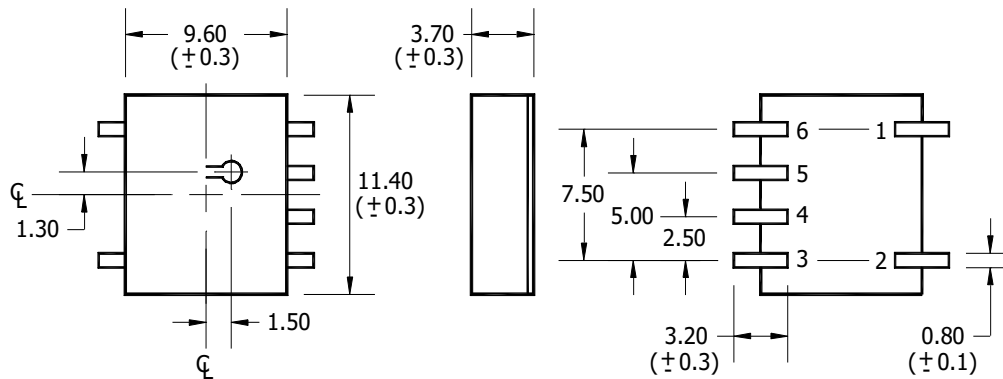
# QCTV15 Series

## SMD TCVCXO, 11x9x3.7mm, Clipped Sine Wave

Frequency	10.000 MHz ~ 40.000 MHz								
Output Level	Clipped Sine Wave								
	+3.3 V Supply	+5.0 V Supply							
Level	0.7 Vp-p Min	1.0 Vp-p Min							
Output Load	20 K ohms/5 pF								
Stability									
Frequency vs. Temperature	See Table below for Frequency Stability								
Frequency vs. Supply Voltage	±0.5 ppm Max ±5%								
Frequency vs. Load	±0.3 ppm Max								
Aging @ 25°C	± 1.0 ppm/year Max								
Mechanical Adjustment Range	± 3 ppm Min								
Control Voltage	1.5 Vdc ± 1.0 Vdc	2.5 Vdc ± 2.0 Vdc							
Voltage Control Range	± 5 ppm Min	± 15 ppm Min.							
Slope	Positive								
Supply Voltage	3.0Vdc ±5%	5.0Vdc ±5%							
Current	3.0 mA Max	3.0 mA Max							
Temperature									
Operating	See Table below for Operating Temperature								
Storage	-40°C to +85°C								
	<b>Frequency Stability in ± ppm</b>								
<b>Operating Temperature Range</b>	<b>Code</b>	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
0°C ~ +50°C	F	**	**	**	**	**	**	**	**
-10°C ~ +60°C	G	**	**	**	**	**	**	**	**
-10°C ~ +70°C	B		**	**	**	**	**	**	**
-20°C ~ +70°C	C		**	**	**	**	**	**	**
-30°C ~ +60°C	I			**	**	**	**	**	**
-30°C ~ +70°C	J			**	**	**	**	**	**
-30°C ~ +75°C	H			**	**	**	**	**	**
-40°C ~ +80°C	K					**	**	**	**
<b>Part Number Guide</b>	<b>Sample Part #:</b>	<b>QCTV15-FT3-20.000</b>							
	Temperature Range	Frequency Stability	Supply Voltage		Frequency				
QCTV15	F = 0°C ~ +50°C	T = ±2.0 ppm	3=3.3 Vdc or 5=5.0 Vdc		20.000 MHz				

\*\* Indicates Availability

DIMENSION UNITS: mm



PIN	CONNECTIONS
1	CASE GROUND
2	CASE GROUND
3	OUTPUT
4	GROUND
5	V CONTROL
6	Vcc

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Specifications subject to change without notice (Rev B)