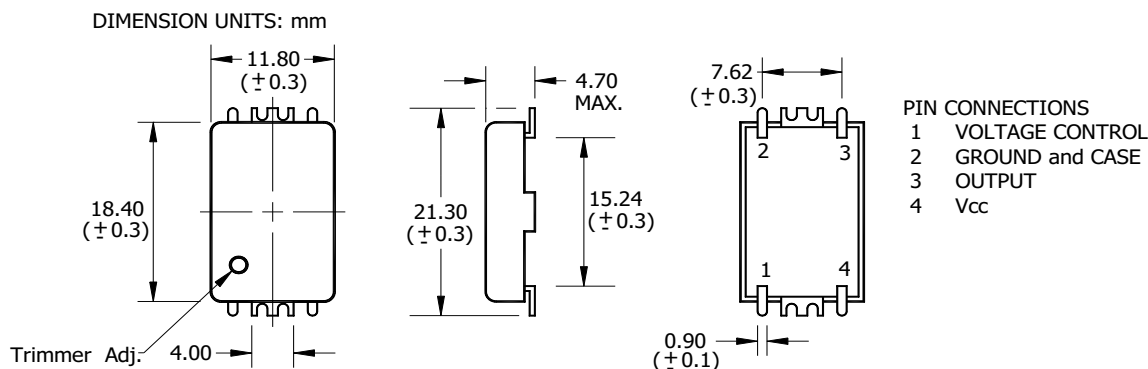


# QCTV10 Series

## SMD TCVCXO, 14 Pin Dip, TTL/HCMOS

Frequency	1.000 MHz ~ 40.000 MHz											
Output Level	TTL/HCMOS Compatible											
Level	'0'= 0.4 Vdc Max., '1'=2.4 Vdc Min.   '0'=0.1 Vcc Max., '1'=0.9 Vcc Min.											
Duty Cycle	50% ± 10%											
Rise/ Fall Time	10 nS Max											
Output Load	10TTL or 15 pF HCMOS Max											
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	2.5 Vdc ± 2.0 Vdc											
Voltage Control Range	See Table below for Pullability											
Slope	Positive											
Supply Voltage	5.0Vdc ±5%	3.3 Vdc ±5%										
Current	50mA Max											
Temperature												
Operating	See Table below for Operating Temperature											
Storage	-40°C to +85°C											
	Frequency Stability in ± ppm      ** Indicates Availability											
Operating Temperature Range		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	Pullability		
	Code	S	T	U	V	W	X	Y	Z	7 ±5 ppm	6 ±10 ppm	5 ±15 ppm
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	J					**	**	**	**			
<b>Part Number Guide</b>		<b>Sample Part #:</b>			<b>QCTV10-FT73-20.000</b>							
	Temperature Range	Frequency Stability			Pullability			Supply Voltage			Frequency	
QCTV10	F = 0°C ~ +50°C	T = ±2.0 ppm			7= ±5 ppm			3=3.3 Vdc or 5=5.0 Vdc			20.000 MHz	

\*\* Indicates Availability



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Specifications subject to change without notice (Rev B)