

QTV10 Series

Thru-Hole TCVCXO, 14 Pin Dip, TTL/HCMOS

Frequency	9.600 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	2TTL 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	5.0 Vdc ±5%	3.3 Vdc ±5%
Current	20mA Max	
Temperature		
Operating	See Table below for Operating Temperature	
Storage	-40°C to +85°C	

Operating Temperature Range	Frequency Stability in ± ppm										Pullability		
	Code	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0		7	6	
0°C ~ +50°C	F	**	**	**	**	**	**	**	**	**	±5 ppm	±10 ppm	
-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					**	**	**	**	**			

Part Number Guide		Sample Part #: QTV10-FT73-20.000			
	Temperature Range	Frequency Stability	Pullability	Supply Voltage	Frequency
QTV10	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

