

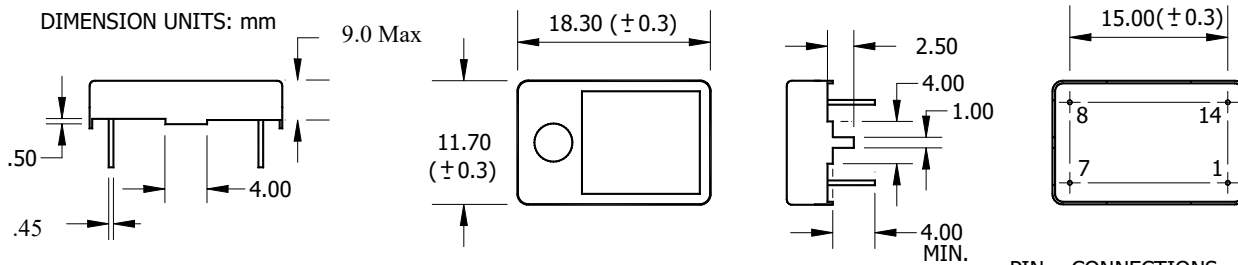


QT10 Series

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

Frequency	9.60 MHz ~ 40.000 MHz									
Output Level	TTL / HCMOS									
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	10 TTL or 15 pF HCMOS Max									
Stability										
Frequency vs. Temperature	See Table below for Temperature Stability									
Aging @ 25°C	± 1.0 ppm / year Max									
Frequency vs. Voltage	±0.5 ppm max / ±5% change									
Frequency vs. Load	±0.3 ppm max									
Frequency Adjustment Range	± 3 ppm min									
Supply Voltage	5.0 Vdc ±5%	3.3 Vdc ±5%								
Current	20mA Max									
Operating Temperature	See Table below for Operating Temperature									
Storage Temperature	-40°C ~ +85°C									
	Frequency Stability in (± ppm)									
Operating Temperature Range	Code	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					**	**	**	**	
Part Number Guide		Sample Part #: QT10-FT3-20.000								
	Temperature Range	Frequency Stability	Supply Voltage				Frequency			
QT10	F = 0°C ~ +50°C	T = ±2.0ppm	3 = 3.3 Vdc or 5 = 5.0 Vdc				20.000 MHz			

** = Indicates Availability



PIN	CONNECTIONS
1	NC
7	GROUND
8	OUTPUT
14	Vcc

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Specifications subject to change without notice (Rev C)