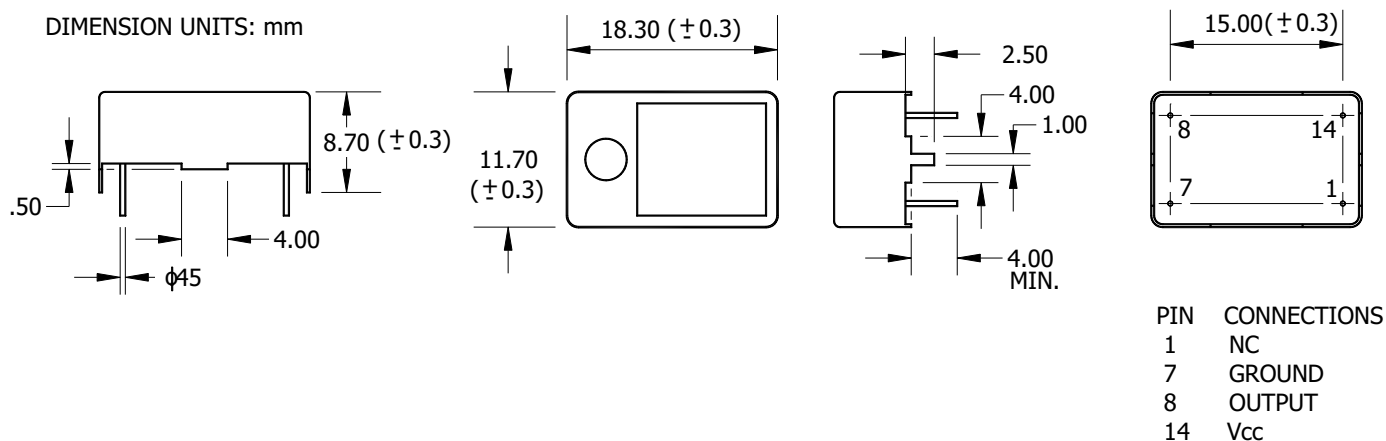


QT20 Series

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

Frequency	2.000 MHz ~ 25.000 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	2TTL or 20KΩ/5pf									
Stability										
Frequency vs. Temperature	See Table below for Temperature Stability									
Aging @ 25°C	± 1.0 ppm / year Max									
Frequency vs. Voltage	±0.1 ppm max / ±5% change									
Frequency vs. Load	±0.1 ppm max									
Tolerance	±0.3ppm max @ 25°C									
Frequency Adjustment Range	± 3 ppm min /Internal Trimmer									
Supply Voltage	5.0 Vdc ±5%	3.3 Vdc ±5%								
Current	20 mA max									
Operating Temperature	See Table below for Operating Temperature									
Storage Temperature	-40°C ~ +85°C									
Frequency Stability Graph in ppm										
Operating Temp Range	Code	±1.0	±1.5	±2.0	±2.5	±3.0	±3.5	±4.0	±4.5	±5.0
0~+50°C	F	**	**	**	**	**	**	**	**	**
-10~+60°C	G	**	**	**	**	**	**	**	**	**
-20~+70°C	C	**	**	**	**	**	**	**	**	**
-30~+70°C	J	**	**	**	**	**	**	**	**	**
-30~+75°C	H	**	**	**	**	**	**	**	**	**
-40~+80°C	K		**	**	**	**	**	**	**	**
-40~+85°C	E		**	**	**	**	**	**	**	**
Part Number Guide			Sample Part #:			QT20-FR3-20.000				
	Temperature Range	Frequency Stability	Supply Voltage		Frequency					
QT20	F = 0°C ~ +50°C	R = ±1.0 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 A)