

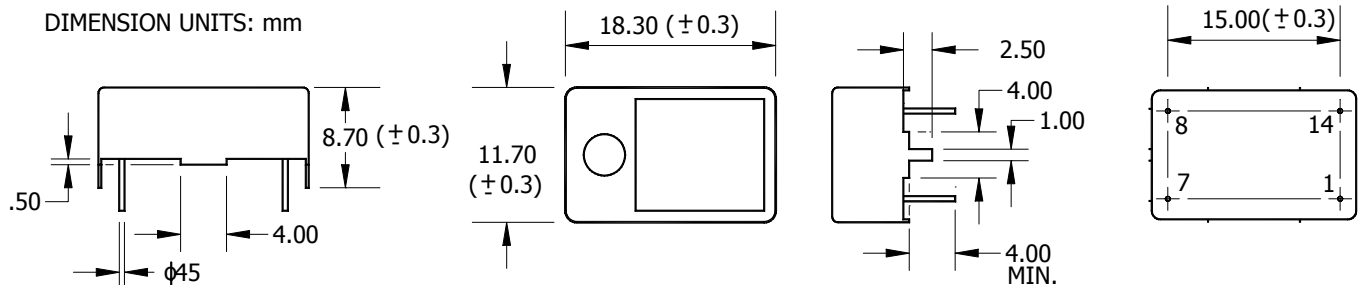


# QT30Series

## Thru-Hole TCXO, 14 Pin dip, Clipped Sine Wave

Frequency	12.000 MHz ~ 25.000 MHz									
Output Level	1.0 Vp-p min									
Output Load	20 K $\Omega$ /5 pf									
Stability										
Frequency vs. Temperature	See Table below for Temperature Stability									
Aging @ 25°C	$\pm 1.0$ ppm / year Max									
Frequency vs. Voltage	$\pm 0.2$ ppm max / $\pm 5\%$ change									
Frequency vs. Load	$\pm 0.2$ ppm max									
Tolerance	$\pm 0.5$ ppm @ 25°C									
Frequency Adjustment Range	$\pm 3$ ppm min									
Supply Voltage	5.0 Vdc $\pm 5\%$	3.3 Vdc $\pm 5\%$								
Current	3.0 mA max									
Operating Temperature	See Table below for Operating Temperature									
Storage Temperature	-40°C ~ +85°C									
	Frequency Stability Graph in ppm									
Operating	$\pm 1$	$\pm 1.5$	$\pm 2.0$	$\pm 2.5$	$\pm 3.0$	$\pm 3.5$	$\pm 4.0$	$\pm 4.5$	$\pm 5.0$	
Temp Range	Code	R	S	T	U	V	W	X	Y	Z
0~+50°C	F	**	**	**	**	**	**	**	**	**
-10~+60°C	G	**	**	**	**	**	**	**	**	**
-20~+70°C	C	**	**	**	**	**	**	**	**	**
-30~+70°C	J	**	**	**	**	**	**	**	**	**
-30~+75°C	H	**	**	**	**	**	**	**	**	**
-40~+85°C	E		**	**	**	**	**	**	**	**
<b>Part Number Guide</b>	<b>Sample Part #:</b>		<b>QT30-FR3-20.000</b>							
	Temperature Range	Frequency Stability	Supply Voltage		Frequency					
QT30	F = 0°C ~ +50°C	R = $\pm 1$ ppm	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 A)