



TCXO I502 Series

SMD Clipped Sine Wave

Frequency	10.000 MHz. ~ 40.000 MHz	
Output Level	Clipped Sine Wave	
Level	1.0 Vp-p Min	
Output Load	20K Ω /10 pF	
Stability		
Frequency vs. Temperature	See Table Frequency Stability	
Frequency vs. Supply Voltage	± 0.3 ppm Max $\pm 5\%$	
Frequency vs. Load	± 0.2 ppm Max	
Aging @ 25°C	± 1.0 ppm/year Max	
Tolerance @ 25°C	± 0.5 ppm	
Mechanical Adjustment Range	± 3 ppm min	
Supply Voltage	5.0 Vdc $\pm 5\%$	3.3 Vdc $\pm 5\%$
Current	3 mA Max	3 mA Max
Temperature		
Operating	-30°C ~ +70°C	
Storage	-40°C to +125°C	

		Frequency Stability in $\pm$ ppm								** Indicates Availability
Operating		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
Temperature Range	Code	O	P	Q	R	S	T	U	J	
0°C ~ +50°C	7	**	**	**	**	**	**	**	**	**
-10°C ~ +60°C	8	**	**	**	**	**	**	**	**	**
-10°C ~ +70°C	6	**	**	**	**	**	**	**	**	**
-20°C ~ +70°C	3	**	**	**	**	**	**	**	**	**
-30°C ~ +60°C	11		**	**	**	**	**	**	**	**
-30°C ~ +70°C	10		**	**	**	**	**	**	**	**
-30°C ~ +75°C	4			**	**	**	**	**	**	**
-40°C ~ +80°C	5					**	**	**	**	**

Part Number Guide		Sample Part #: I502-7P3-20.000		
	Temperature Range	Frequency Stability	Supply Voltage	Frequency
I502	7 = 0°C ~ +50°C	P = ± 2.0 ppm	3=3.3 Vdc or 5=5.0 Vdc	20.000 MHz

