



VCTCXO I302 Series

14 Pin DIP Clipped SineWave

Frequency	9.6000 MHz ~ 35.000 MHz	
Output Level	Clipped Sine Wave	
Level	1.0 Vp-p Min	
Output Load	20 K ohms/5 pF	
Stability		
Frequency vs. Temperature	See Table Frequency Stability	
Frequency vs. Supply Voltage	± 0.5 ppm Max $\pm 5\%$	
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 Pullability	
Slope	Positive	
Supply Voltage	5.0 Vdc $\pm 5\%$	3.3 Vdc $\pm 5\%$
Current	3mA Max	
Temperature		
Operating	See Table Operating Temperature	
Storage	-40°C to +85°C	

	Frequency Stability in ($\pm$ ppm) ** Indicates Availability										Pullability		
Operating Temperature Range	Code	1.5 O	2.0 P	2.5 Q	3.0 R	3.5 S	4.0 T	4.5 U	5.0 J		A ± 5 ppm	B ± 10 ppm	
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 #:		I302-7PA3-20.000	
	Temperature Range	Frequency Stability	Pullability	Supply Voltage	Frequency
I302	7 = 0°C ~ +50°C	P = ± 2.0 ppm	A = ± 5 ppm	3=3.3 Vdc or 5=5.0 Vdc	20.000 MHz

