



TCXO I503 Series

SMD 11.4 mm x 9.6 mm TTL/HCMOS

Frequency	1.000 MHz ~ 40.000 MHz	
Output Level	TTL/HCMOS Compatible	
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	10TTL or 15 pF HCMOS Max	
Stability		
Frequency vs. Temperature	See Table Frequency Stability	
Frequency vs. Supply Voltage	±0.5 ppm Max ±5%	
Frequency vs. Load	±0.3 ppm Max	
Aging @ 25°C	± 1.0 ppm/year Max	
Mechanical Adjustment Range	± 3 ppm min	
Supply Voltage	5.0Vdc ±5%	3.3 Vdc ±5%
Current	40mA Max	
Temperature		
Operating	See Table Operating Temperature	
Storage	-40°C to +85°C	

		Frequency Stability in ± 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 #: I503-7P3-20.000		
	Temperature Range	Frequency Stability	Supply Voltage	Frequency
I503	7 = 0°C ~ +50°C	P = ±2.0 ppm	3=3.3 Vdc or 5=5.0 Vdc	20.000 MHz

