



VCTCXO I701 Series

SMD TTL/HCMOS

Frequency	1.000 MHz ~ 35.000 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	
Control Voltage	2.5 Vdc ± 2.0 Vdc	
Voltage Control Range	See Table Pullability	
Slope	Positive	
Supply Voltage	5.0Vdc ±5%	3.3 Vdc ±5%
Current	20mA Max	
Temperature		
Operating	See Table Operating Temperature	
Storage	-40°C to +85°C	

	Frequency Stability in ± ppm										Pullability		
Operating		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0		A	B	
Temperature Range	Code	O	P	Q	R	S	T	U	J		±5 ppm	±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 #:		I701-7PA3-20.000	
	Temperature Range	Frequency Stability	Pullability	Supply Voltage	Frequency
I701	7 = 0°C ~ +50°C	P = ±2.0 ppm	A = ±5 ppm	3=3.3 Vdc or 5=5.0 Vdc	20.000 MHz

