



# TCXO I101/I102 Series 14 Pin DIP TTL/HCMOS/ Clipped Sine Wave

Frequency	<b>I101</b> 1.000 MHz to 35.000 MHz	<b>I102</b> 9.600 MHz to 35.000 MHz
Output Level	TTL / HCMOS	
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	10 TTL or 15 pF HCMOS Max.	20KΩ / 10 pF
Stability		
Frequency vs. Temperature	See Temperature Stability Table	
Aging @ 25° C	± 1.0 ppm / year Max.	
Frequency vs. Voltage (±5%)	±0.5 ppm Max.	
Frequency vs. Load	±0.3 ppm Max.	
Frequency Adjustment Range	± 3 ppm Min.	
Supply Voltage	5.0 VDC ±5% or 3.3 VDC ±5%	
Current	20 mA Max.	3 mA Max.
Operating Temperature	See Temperature Range Table	
Storage Temperature	-40° C to +85° C	

Operating		Frequency Stability in (± ppm) ** = Availability								
Temperature Range	Code	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
		N	O	P	Q	R	S	T	U	J
0° C to +50° C	7	**	**	**	**	**	**	**	**	**
-10° C to +60° C	8	**	**	**	**	**	**	**	**	**
-10° C to +70° C	6	**	**	**	**	**	**	**	**	**
-20° C to +70° C	3	**	**	**	**	**	**	**	**	**
-30° C to +60° C	B			**	**	**	**	**	**	**
-30° C to +70° C	A			**	**	**	**	**	**	**
-30° C to +75° C	4				**	**	**	**	**	**
-40° C to +80° C	5						**	**	**	**

Part Number Guide		Sample Part #: I101 - 7P5 - 20.000		
	Temperature Range	Frequency Stability	Supply Voltage	Frequency
I101 -	7 = 0° C to +50° C	P = ±2.0 ppm	3 = 3.3 VDC or 5 = 5.0 VDC	- 20.000 MHz

