

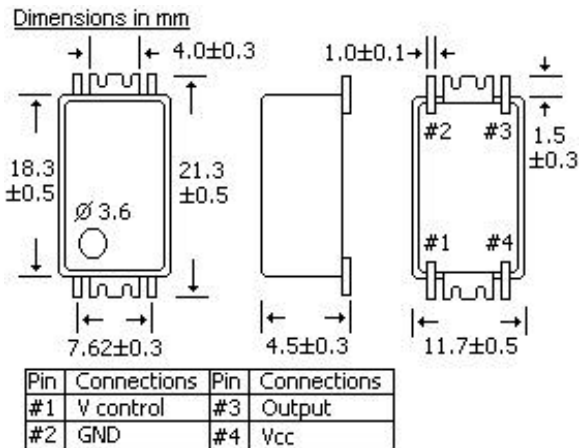
TCXO & VTCXO 14 Pin Surface Mount

Temperature Compensated Crystal Oscillators Or With Voltage Control

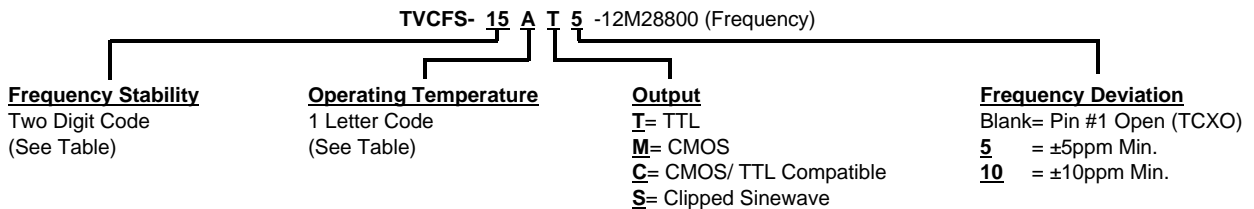
SPECIFICATION

Output		TTL/HCMOS	Clipped Sinewave
Frequency Range		1.0 MHz to 35 MHz	9.6 MHz to 35 MHz
Frequency Stability	Temperature	See Table	
	Aging	±1.0ppm/year (25EC)	
	Supply Volt Change	±0.5ppm/(+5.0V ±5%)	
	Load	±0.3ppm	
Input Voltage		+5.0V ±5%	
Max. Input Current		20mA	3mA
Storage Temperature Range		-40 ~ 85EC	
Output	Max.. Load	10TTL or 15pF HCMOS	20K Ohms/ 5pF
	Level High Min.	TTL: 2.4Vdc, CMOS: Vdd-0.5 Vdc	1.0 Vp-p Min.
	Level Low Max.	TTL: 0.4Vdc, CMOS: 0.5Vdc	
Frequency Tuning		±3.0ppm Min.	
Control Voltage		2.5Vdc ± 2.0Vdc Positive Transfer Characteristic	
Rise / Fall Time Max.		10n Sec.	-
Duty Cycle Max.		50 ± 10%	-

Operation Temperature	Frequency Stability (±PPM) *Denotes Availability									
	Code	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	
Range										
0~50EC	A	**	**	**	**	**	**	**	**	**
-10~60EC	B	**	**	**	**	**	**	**	**	**
-10~70EC	C	**	**	**	**	**	**	**	**	**
-20~70EC	D	**	**	**	**	**	**	**	**	**
-30~60EC	E		**	**	**	**	**	**	**	**
-30~70EC	F		**	**	**	**	**	**	**	**
-30~70EC	G			**	**	**	**	**	**	**
-40~80EC	H				**	**	**	**	**	**



TCXO & VTCXO Full Size Surface Mount Part



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