

SMD TCXO 3.2 x 2.5 x 1.0 TP-21



FEATURES
8.192 to 38.4 MHz CMOS
APPLICATIONS
Datacoms

Electrical Parameters

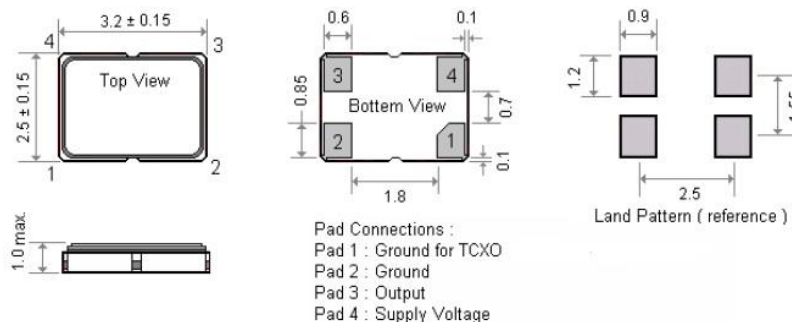
Parameters	Conditions	TP-21
Frequency Range		8.192 ~ 38.4 MHz
Power Supply Voltage(VDD)		+3.3V ± 5%
Supply Current		≤6 mA
Frequency Calibration	At 25°C	± 2 ppm
Frequency Stability	Over TOPR	± 1 ppm ~ ± 2.5 ppm
Operating Temperature Range		0 ~ 50°C ~ -40 ~ 85°C
Stability vs.power change	VDD ± 5%	±0.3 ppm
Stability vs.load change	15pF ±10%	±0.3 ppm
Storage Temperature Range		-50°C ~ 100°C
Aging (First Year)	25°C ± 3°C	± 1ppm Max
Output Symmetry	At ½VDD	40/60%
Rise Time	10% VDD ~ 90% VDD	10 nS Max
Fall Time	90% VDD ~ 10% VDD	10 nS Max
Output HCMOS Load		15pF max
Phase Noise (typical at 10MHz)		-80 dBc / Hz @ 10Hz
		-115 dBc / Hz @ 100Hz
		-135 dBc / Hz @ 1KHz
		-138dBc / Hz @ 10KHz
		-142 dBc / Hz @ 100KHz
		-148 dBc / Hz @ 1MHz
		-150 dBc / Hz @ 10MHz

Ordering Code

Temperature Range	Code	Stability	Code	Internal Code	Internal Code	Option	Code
0 + 50°C	A	± 1 ppm	P	0	0	Symmetry 45/55%	S
- 10 + 60°C	C	± 1.5 ppm	N				
- 20 + 70°C	E	± 2 ppm	M				
- 40 + 85°C	H	± 2.5 ppm	L				

Example: TP-21EP00 27MHz

Mechanical Dimensions (mm)



SMD-TCXO

TYPE	TP-21	REVISION	04	CHECKED	PB	DATE	21/06/2016
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All specifications are subject to change without notice