

SMD TCXO 5 x 3.2 x 1.3 TB-21 & TB-51 & TB-41



FEATURES
6.4 to 40 MHz LVCMOS
APPLICATIONS
Datcoms

Electrical Parameters

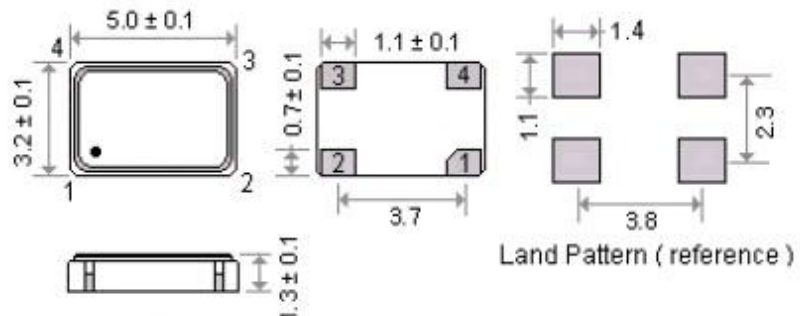
Parameters	Conditions	TB-21	TB-51	TB-41
Frequency Range		6.4 ~ 40 MHz		
Power Supply Voltage(V _{DD})		+3.3V ± 5%	+3V ± 5%	+2.5V ± 5%
Supply Current		≤ 6 mA		
Frequency Calibration	At 25°C	± 2 ppm		
Frequency Stability	Over TOPR	± 0.5 ppm ~ ± 2.5 ppm		
Operating Temperature Range		0 ~ 50°C ~ -40 ~ 85°C		
Stability vs.power change	V _{DD} ± 5%	± 0.3 ppm		
Stability vs.load change	15pF ± 10%	± 0.3 ppm		
Storage Temperature Range		-55°C ~ 125°C		
Aging (First Year)	25°C ± 3°C	± 1ppm Max		
Output Symmetry	At ½V _{DD}	40/60%		
Rise Time	10% V _{DD} ~ 90% V _{DD}	10 nS Max		
Fall Time	90% V _{DD} ~ 10% V _{DD}	10 nS Max		
Output HCMOS Load		15pF max		
Phase Noise (typical at 10MHz)		-96 dBc / Hz @ 10Hz		
		-122 dBc / Hz @ 100Hz		
		-138 dBc / Hz @ 1KHz		
		-145dBc / Hz @ 10KHz		
		-150 dBc / Hz @ 100KHz		

Ordering Code

Temperature Range	Code	Stability	Code	Internal Code	Internal Code	Option	Code
0 + 50°C	A	± 0.5 ppm	Q	0	0		
- 10 + 60°C	C	± 1 ppm	P				
- 20 + 70°C	E	± 1.5 ppm	N				
- 40 + 85°C	H	± 2 ppm	M				
		± 2.5 ppm	L				

Example: TB-51EP00 27MHz

Mechanical Dimensions (mm)



Pad Connections :

Pad 1 : Make no connection if TCXO.

Pad 2 : Ground ; Pad 3 : Output , Pad 4 : Supply Voltage

SMD-TCXO

TYPE	TB-21 & TB-51 & TB-41	REVISION	03	CHECKED	PB	DATE	18/04/2016
------	-----------------------	----------	----	---------	----	------	------------

All specifications are subject to change without notice