Oven Comtrolled Crystal Oscillator (OCXO)

Feature

The oscillator with our own excellent high stability technology

(crystal-oscillator) Low current consumption, small size, lightweight.

Suitable for various measurement, marine equipment,

Telecommunication equipment, base station for cellular phone.

■Specifications

Size	36.1×27.2×19.4 (mm)	
Model Name	TOP21VT	TOP21VS
Output Frequency	10.0 ~ 20.0(MHz)	
Supply Voltage	12.0 ±5% (V)	
Supply Current	During Warm-up 200mA / Normal Operation 100mA	
Output Level	Hi 4.5 min. / Lo 0.4 max	0(dBm) min
Load	4TTL	50Ω
Symmetry	40 ~ 60 (%): 2.5V Level	-
Operating	-10 ~ +60 °C	
Frequency Temperature Characteristics	± 0.1max. (ppm) :-10 ~ +60°C	
Frequency Shift by Supply Voltage	± 0.05max. (ppm):DC=12V±5%	
Voltage Controlled Range	±1.0 ~ ±3.0 (ppm): Vc=0 ~ 10V at Vcc=12V	
Phase Noise	Table - 1	
Short-term Frequency Stability	1.0 max. (ppb): t=1.0s	
Aging	± 0.5max. (ppm) / year	

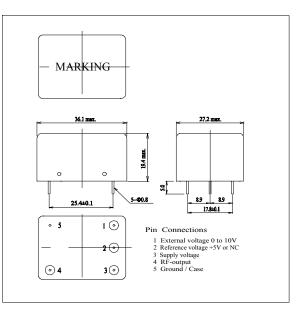
* Products with specific requirements are available upon request.

Table - 1 Phase Noise			
Offset	Phase Noise		
Model Name	TOP21VT	TOP21VS	
1Hz	-80(dBc/Hz)	-80(dBc/Hz)	
10Hz	-120(dBc/Hz)	-120(dBc/Hz)	
100Hz	-130(dBc/Hz)	-130(dBc/Hz)	
1KHz more	-140(dBc/Hz)	-150(dBc/Hz)	

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at F s=10.000MHz

■**Outline**





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