

TOP21VT

Oven Controlled 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.

Now printing

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	± 0.1 max. (ppm) :-10 ~ +60°C	
Frequency Shift by Supply Voltage	± 0.05 max. (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	± 0.5 max. (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)

at F s=10.000MHz

Outline

