

TOP20VT

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	20.3 × 12.7 × 9.2 (mm)
Output Frequency	10.0, 13.0 (MHz)
Supply Voltage	5.0 / 12.0 ± 5% (V)
Supply Current	Table - 1
Output Level	Hi 4.5 min. / Lo 0.4 max. (V)
Load	4 -TTL
Symmetry	40 ~ 60 (%): 2.5V Level
Frequency Temperature Characteristics	± 0.1max. (ppm) : -10 ~ +60°C
Frequency Shift by Supply Voltage	± 0.05max. (ppm): DC=12V±5%
Voltage Controlled Range	± 5.0 ~ ± 15.0 (ppm): Vc=0 ~ 9V at Vcc=12V
	± 5.0 ~ ± 15.0 (ppm): Vc=0 ~ 5V at Vcc=5.0V
Phase Noise	Table - 2
Short-term Frequency Stability	1.0 max. (ppb): t=1.0s
Aging	± 1.0max. (ppm) / year

* Products with specific requirements are available upon

■ Table-1 Supply Current

Vcc:12V	Warm-up	125 max. (mA)
	Normal	50 max. (mA)
Vcc:5.0V	Warm-up	300 max. (mA)
	Normal	120 max. (mA)

■ Table-2 Phase Noise

1Hz	- 80 (dBc/Hz)
10 Hz	- 110 (dBc/Hz)
100 Hz	- 130 (dBc/Hz)
1k Hz more	- 140 (dBc/Hz)

at F s=10.000MHz

■ Outline

