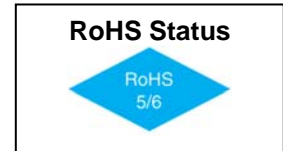


# VFTCR OCXO 20.2x20.2mm TH, HCMOS/SINE



## Features

- 4.8MHz to 180MHz Frequency Range
- 5 ppb frequency stability over temperature
- Ultra Low Jitter and Phase Noise



## Applications

- Base Stations
- Fiber Channel / SDH / Sonet
- Test & Measurement

Not recommended for new designs. Please see VFOV100 and VFOV200.

## Electrical Specifications

Parameter	Symbol	Condition	Min	Typ	Max	Unit	Note	
Frequency Range	F		4.8		180	MHz		
Frequency Stability	$\Delta F/F$	Vs. Operating Temperature A: 0°C to +50°C B: -10°C to +60°C C: 0°C to +70°C D: -20°C to +70°C E: -30°C to +70°C F: -40°C to +85°C				± 5 ± 5 ± 5 ± 10 ± 20 ± 50	ppb	See How to Order Chart
		Vs. Supply Voltage		± 1		ppb/V		
		Vs. Aging / Day Vs. Aging / Year		0.5 100		ppb ppb	After 30 days	
SSB Phase Noise		10Hz 100Hz 10KHz		-120 -150 -160		dBc/Hz	@ 10MHz	
Output		Signal Level	HCMOS / TTL / SINE 4V (HCMOS/TTL), +7dBm min (Sine)					
Supply Voltage	V <sub>CC</sub>		4.75 3.14 11.4	5.00 3.3 12.0	5.25 3.47 12.6	V	Order Code 5 Order Code 3 Order Code 2	





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## Absolute Maximum Ratings

Parameter	Symbol	Condition	Min	Typ	Max	Unit	Note
Supply Break Down Voltage	Vcc	5V/3.3V Model 12V Model	-0.5 -0.5		+7.0 +15.0	V	
Storage Temperature	Ts		-40		+85	°C	
Control Voltage	Vc		-1		9	V	

## Environmental and Mechanical

Parameter	Specification
Mechanical Shock	Per MIL-STD-202, 30G, 11ms
Vibration	Per MIL-STD-202, 5G to 2000Hz
Soldering Conditions	230°C for 30s max SMD Profile

Mechanical Outline

Pin #	Connection
1	GND
2	Output
3	Vcc
4	Vc
5	Vref

