

MOCVF Series OCXO

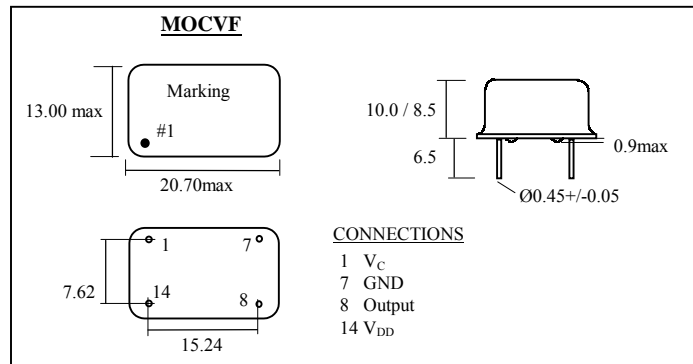
Oven Controlled Voltage Tuned Crystal Oscillator

- FEATURES**
- . Hermetically Sealed Thru-Hole DIP-14 Packages
 - . High Precision, Wide Frequency Range & Temperature Options
 - . 12V, 5V & 3.3V, HCMOS/TTL/Sinewave Options

SPECIFICATIONS (subject to change w/o notice)

Parameters	MOCVF
Frequency Range	2 MHz ~ 40MHz
Frequency Stability (max) From 25°C Ref.	±50, 100, 200 & 500 ppb (parts per billion) ±10ppb over supply or load variations ±5ppb/day after 30 days continuous operation ±100ppb aging max/1 st yr
Operating Temp.	0 ~ +50°C; -10 ~ +60°C; -20 ~ +70°C
Storage Temp.	-40°C ~ +100°C
Supply Voltage V _{DD}	V _{DD} : 12V, 5V & 3.3V ± 5%
Power Supplies @ Current (max)	12V: 250mA at start up and 150mA after warm up; 5V: 500mA at start up and 250mA after warm up; 3.3V: 750mA at start up and 400mA after warm up
Warm Up	5min to within 0.1ppm nominal frequency
Output Loading	15pF HCMOS; TTL; Clipped Sine 1Vpp into 10KΩ/10pF
Rise/Fall Time (max)	10nsec
Control Voltage V _C	2.25±2.25V/ V _{DD} : 12/5V; 1.50±1.50V/ V _{DD} : 3.3V
Pullability (min)	±2 ~ 5 ppm, positive slope
Pullability Linearity	±10%; 5%
Phase Noise (max)	-135, -125, -100dBC/Hz @ 10KHz/1KHz/100Hz

OUTLINE
(mm) not to scale



PART NUMBERING

Model	Supply	Frequency	Stability	Temperature Range	Output	Custom Options
MOCVF	12: 12V 5: 5V 3.3: 3.3V	MHz Value	±PPB Value	Blank: 0C ~ +50C M: -10C ~ +60C N: -20C ~ +70C	Blank: HCMOS/TTL H: HCMOS S: Sinewave	Available
Example: MOCVF5-10.000-200MS			Please Contact Microcom Devices Ltd. for Custom Specifications			