

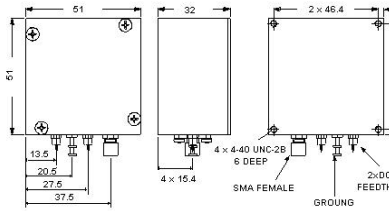
OCXO SBOC - Military

APPLICATIONS

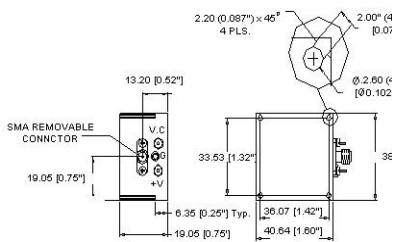
- ▶ Missile
- ▶ Defense

OUTLINE DIMENSIONS

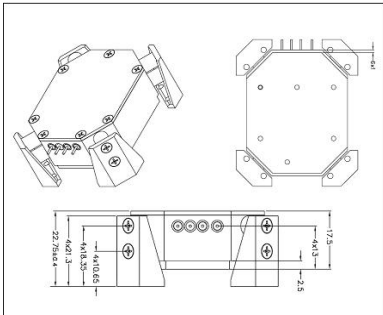
Ov11



Ov160



Ov260



ELECTRICAL SPECIFICATIONS

Frequency range	50MHz to 125.000 MHz
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Frequency Temperature Stability	Per customer requirement, see how - to - order instructions
Long Term Stability (Aging)	Please consult the factory
Output Waveform	Sinewave (Available up to +12dBm)
Output Load	50Ω
Supply voltage	12V and 15V
Power consumption	4.0W Max. Warm-up, 2.5 W Max. Steady State @ 25°C
Warm up time	± 0.1 PPM of final frequency in 5 min
Frequency Adjustment Range	Typical: ±1.5 PPM
Slope	Positive, Negative
Linearity	±10% Max.
±10% Max.	8dBm min
Reference Voltage	Per Customer Requirement
Phase Noise	Typical @ 100MHz and 120MHz
	-90dBc at 10Hz offset
	-120dBc at 100Hz offset
	145dBc at 1kHz offset
	160dBc at 10kHz offset
	-168dBc at 100kHz offset
	-170dBc at 1MHz offset
g - Sensitivity	0.5 PPB/ g Max. All axis

ABSOLUTE MAXIMUM RATING

Output Load	25Ω for sinewave
Operating Temperature Range	-45°C ÷ +85°C
Storage Temperature Range	-55°C ÷ +125°C
Supply Voltage	28.0V (Vcc=12V), 28.0V (Vcc=15V)

ENVIRONMENTAL & MECHANICAL SPECIFICATIONS

Shock	MIL-STD-883C, Method 2002, Condition B
Vibration	MIL-STD-883C, Method 2007, Condition A
Solderability	MIL-STD-883C, Method 2003
Seal integrity	MIL-STD-883C, Method 1014, Condition C & A2
Marking	MIL-STD-202F, Method 215