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Special Packages & High performance SC CUT Crystals

MODEL	OV11, OV160
FREQ' RANGE	50.00 to 120.00 MHz
CRYSTAL CUT	SC
LONG TERM STABILITY (AGING)	Please consult the factory
FREQ' STABILITY VS. TEMPERATURE	See "How - To - Order" instructions Typical: ± 100 PPB
OUTPUT WAVEFORM	Sine Wave
LOAD	50 Ω
SUPPLY VOLTAGE	See "How - To - Order" instructions
FREQ' STABILITY VS. SUPPLY VARIATION	± 10 PPB Max. for $\pm 5\%$ variation
WARM UP TIME	Typical: To within ± 0.1 PPM from final frequency in 4 min @ 25°C
FREQ' ADJUSTMENT RANGE	± 2.5 PPM Typical by external voltage Covers 20 years Aging
SUPPLY POWER (at 25°c)	Typical: 4.0W for warm-up 1.2W Max. at Steady State
FREQ' ADJUSTMENT RANGE	± 2.5 PPM Typical by external voltage Covers 20 years of overall stability
SLOPE	Positive
LINEARITY	$\pm 10\%$ Max.
REFERENCE VOLTAGE	Per customer requirement
PHASE NOISE	Typical Offset: -90 dBc at 10 Hz -110 dBc at 100 Hz -140 dBc at 1 KHz -155 dBc at 10 KHz -160 dBc at 100 KHz Available in different performance
SHORT TERM STABILITY	5×10^{-11} (Allan variance at 1 sec.)
G - SESITIVITY	2 PPB/ g Max.

Environmental Conditions

SHOCK

IEC 68-2-27 (Test Ea), 30G, 18 mSec, Half Sine

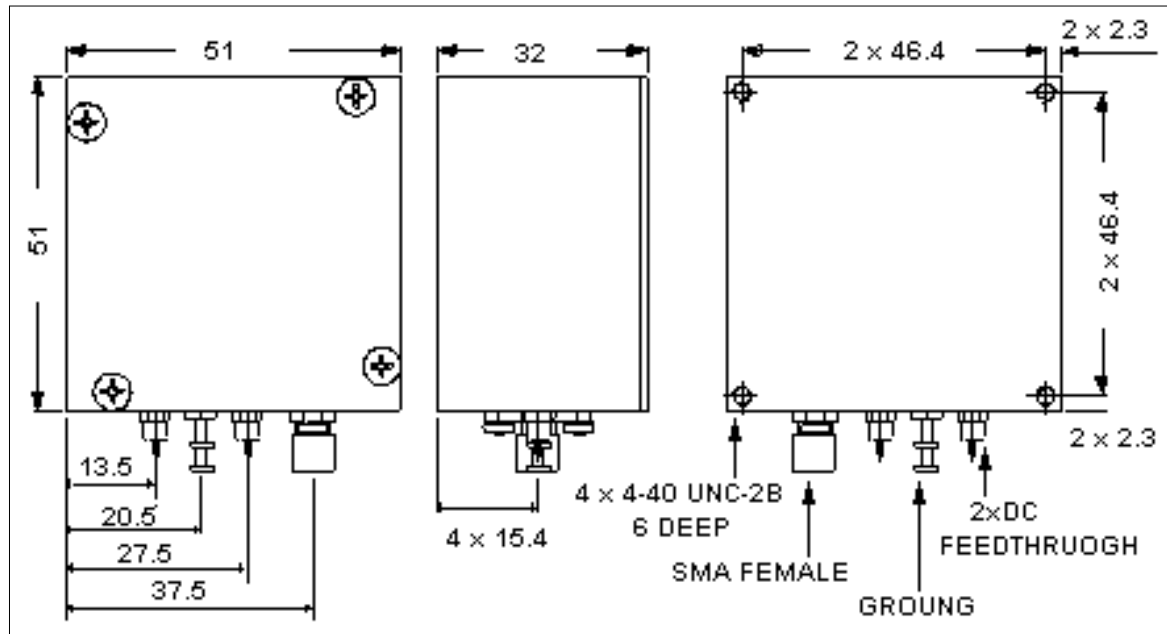
VIBRATION

IEC 68-2-6 (Test Fc), 0.35mm, 5G, 10-2000Hz, 6 cycles/ axis

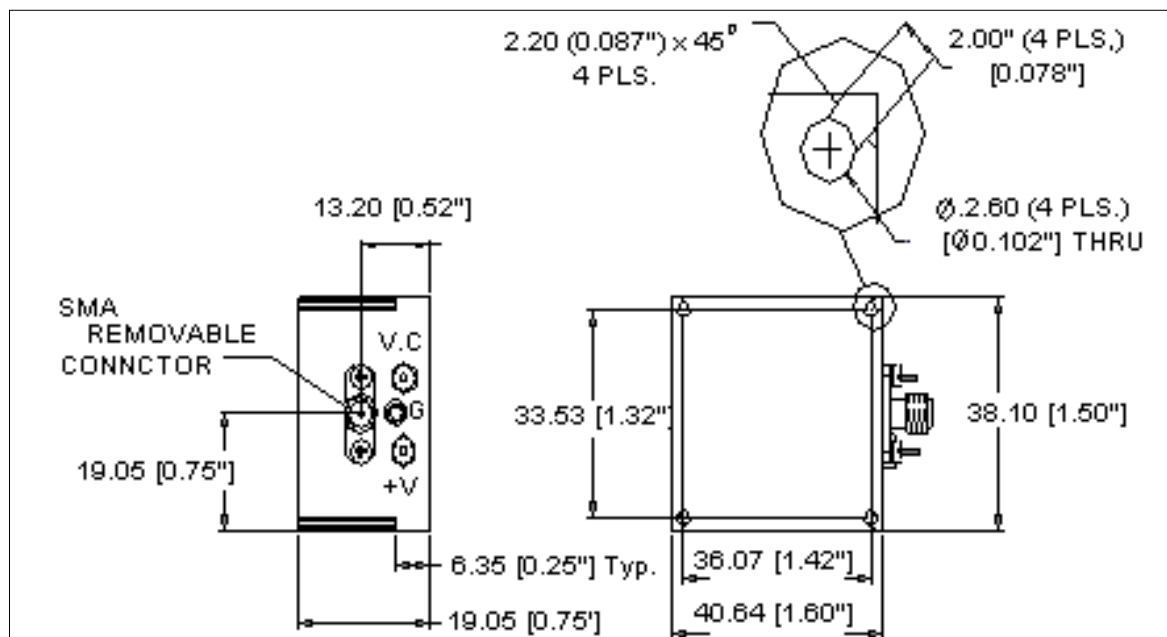
THERMAL SHOCK

IEC 68-2-14 (Test Na), 30 min. in each extreme temperature

OV11



OV160



Dimensions in mm.