



SPDRO Phase Locked Standard Sources

SPDRO -6950



FREQUENCY: 6.95 GHz

FEATURES

- Single Loop, Locks to 10 MHz Ref
- Ultra Low Phase Noise
- 100 dBc Spurious
- Very low Microphonics
- Zero Phase Hits
- Wide Operating Temperature Range
- Low DC Power Consumption
- Low Profile, Small Size
- Meets MIL-STD-188 and IESS 308

APPLICATIONS

- SATCOM Converters
- Digital Radio to 512 QAM
- Instrumentation
- OEM Products

GENERAL DESCRIPTION

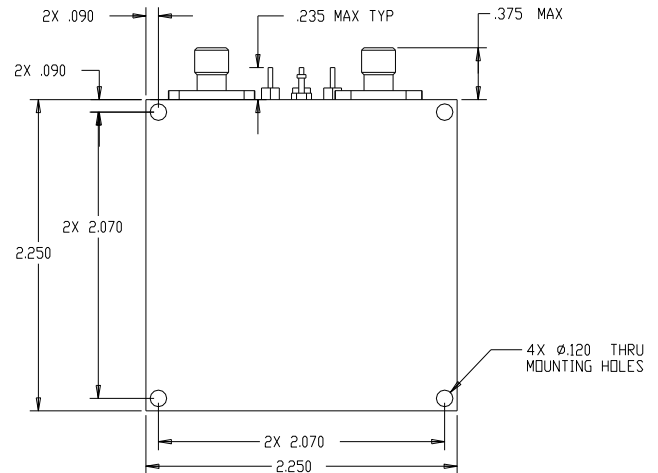
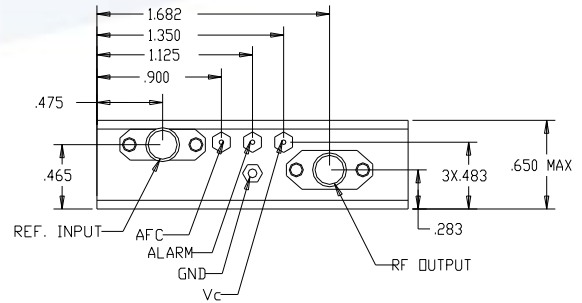
Elcom Technologies' miniature SPDRO sources employ a unique technique to phase-lock a microwave DRO to a 5 or 10 MHz crystal reference. The technique utilizes a single loop for reliable phase-lock performance. By using one loop, size, power consumption and cost are minimized. These units are ideal for digital Radio, SATCOM and instrumentation.



SPECIFICATIONS

Output Frequency	6.95 GHz
Output Power	13 to 17 dBm
Input Reference	5 MHz
Reference Level	0 to 7 dBm
Spurious	<-85 dBc
Phase Noise [dBc]	
1 KHz offset	-95 dBc/Hz
10 KHz offset	-105 dBc/Hz
100 KHz offset	-125 dBc/Hz
Power Supply	+12 Volts
Current Consumption	<350 mA
Operating Temperature	-5° C to +70° C
Size	2.25"x2.25"x0.65"
Alarm Options	TTL logic "low" – locked

OUTLINE DRAWING



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