



SPDRO Phase Locked Standard Sources

SPDRO -10300



FREQUENCY: 10.3 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

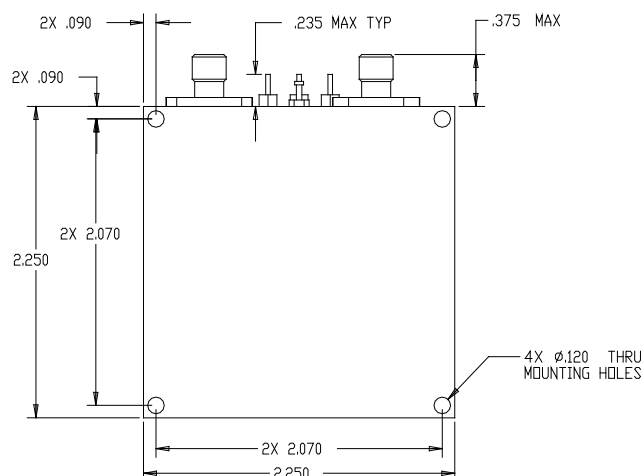
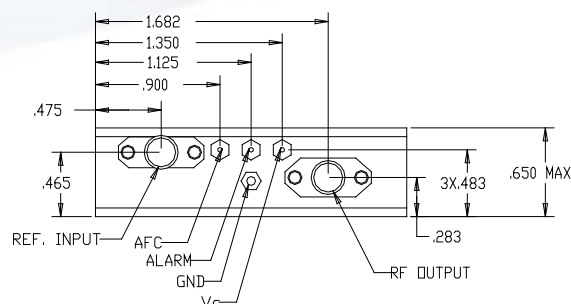
GENERAL DESCRIPTION

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	10.3 GHz
Output Power	13.5 to 16.5 dBm
Input Reference	10 MHz
Reference Level	-3 to 3 dBm
Spurious	<-70 dBc
Phase Noise [dBc]	
1 KHz offset	-95 dBc/Hz
10 KHz offset	-103 dBc/Hz
100 KHz offset	-125 dBc/Hz
Power Supply	+15 Volts +/- 0.3
Current Consumption	<400 mA
Operating Temperature	-25° C to 75° C
Size	2.25"x2.25"x0.65"
Alarm Options	TTL logic "low" – locked

OUTLINE DRAWING



FOR ADDITIONAL INFORMATION CONTACT
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