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TECHNOLOGY GROUP

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SPDRO Phase Locked Standard Sources

S-1006A



FREQUENCY:

3.6 GHz

FEATURES

- Single Loop, Locks to 600 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

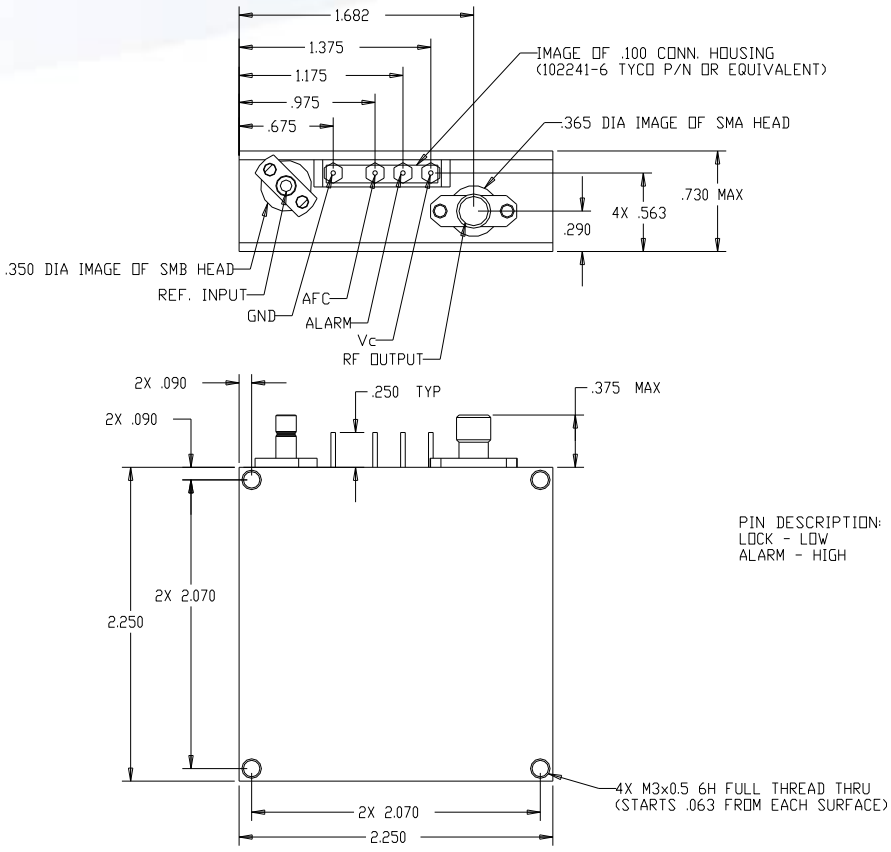
GENERAL DESCRIPTION

FEI-Elcom Tech's miniature SPDRO sources employ a unique technique to phase-lock a microwave DRO to a 600 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	3.6 GHz
Output Power	1 to 3 dBm
Input Reference	600 MHz
Reference Level	11 to 15 dBm
Spurious	<-80 dBc
Phase Noise [dBc]	
1 KHz offset	-121 dBc/Hz
10 KHz offset	-128 dBc/Hz
100 KHz offset	-135 dBc/Hz
Power Supply	+12 Volts
Current Consumption	< 300 mA
Operating Temperature	-25° C to 65° C
Size	2.25”X2.25”X0.73”
Alarm Options	TTL logic “low” – locked

OUTLINE DRAWING



FOR ADDITIONAL INFORMATION CONTACT

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***Export of FEI-Elcom Tech products is subject to U.S. export controls. Licenses may be required.*

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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We're here to make your life easier. How can we help you today?

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