

SPECIAL FEATURES

- 5 GHz Bandwidth in X-Band
- Small Size: < 85 cubic inches
- BIT for Phase Lock

This synthesizer provides wide bandwidth in a compact package. It consists of a single VCO-based phase lock loop which is multiplied, filtered and amplified.

The modular architecture provides for excellent design flexibility; different operating frequencies, step size and switching speeds can be offered.

ELECTRICAL SPECIFICATIONS

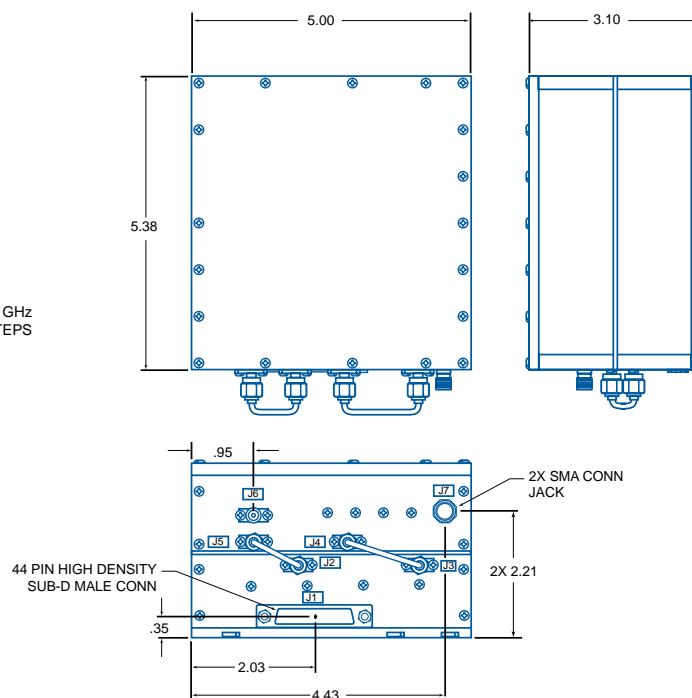
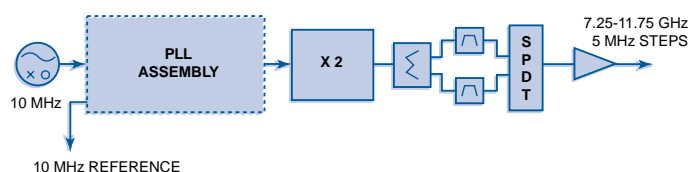
Frequency Range:	7.25 - 11.75 GHz
Step Size:	5 MHz, typical
Switching Speed:	1 ms, maximum
Output Power:	+ 13 dBm, minimum
SSB Phase Noise (dBc/Hz, typical):	
10 kHz	- 60
100 kHz	- 75
1 MHz	- 110
Reference Signal:	Internal, 10 MHz
Stability:	± 1 ppm
Spurious:	- 60 dBc, maximum
Harmonics:	- 30 dBc, maximum
Output VSWR:	1.5:1, maximum
Tuning Control:	10 bit, TTL, plus strobe
BITE Scheme:	Phase Lock bit
DC Power:	± 15 V, + 5 V
Power Consumption:	23 W

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature:	- 30 to + 70 °C
Environment:	Airborne and Ground

MECHANICAL SPECIFICATIONS

Size: (nominal)	5.4 x 5 x 3.1 inches 137 x 127 x 79 mm
Weight:	4 lbs (1.81 kg), maximum
RF Connectors:	SMA Female
DC Connector:	50 pin Type D



Specifications subject to change without notice.