

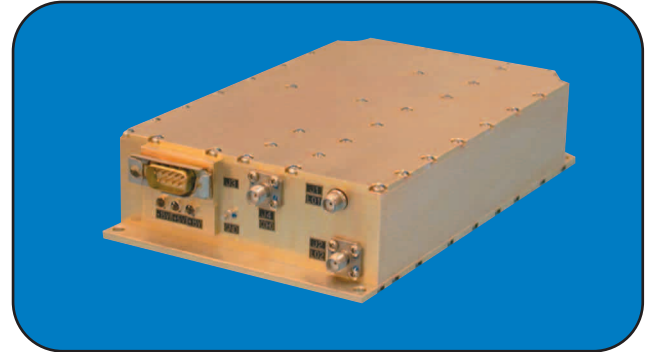
Synthesizers

Multi Output STALO Synthesizers, X-Band Model: SYN110



Features:

- Low Phase Noise
- Fast Switching Speed
- Small Package Design
- Multiple RF Outputs
- 250 MHz Bandwidth on X-Band Output



Electrical Specifications

	LO 1	LO 2	LO 3	
Freq. Range:	X-Band	L-Band	60	MHz
Step Size:	36	28		MHz
Switching Speed:	10	10		µs, max
Output Power:	+16	+16	+3	dBm
Power Flatness:	± 3	± 3	± 1.5	dB
SSB Phase Noise				
Offset	dBc/Hz, typical			
100 Hz	- 44	- 63	- 100	
1 kHz	- 100	- 112	- 125	
10 kHz	- 110	- 120	- 140	
100 kHz	- 110	- 120	- 140	
1 MHz	- 112	- 120	- 140	
Spurious:	- 60	- 60	- 60	dBc, max
Harmonics:	- 60	- 60	- 50	dBc, max

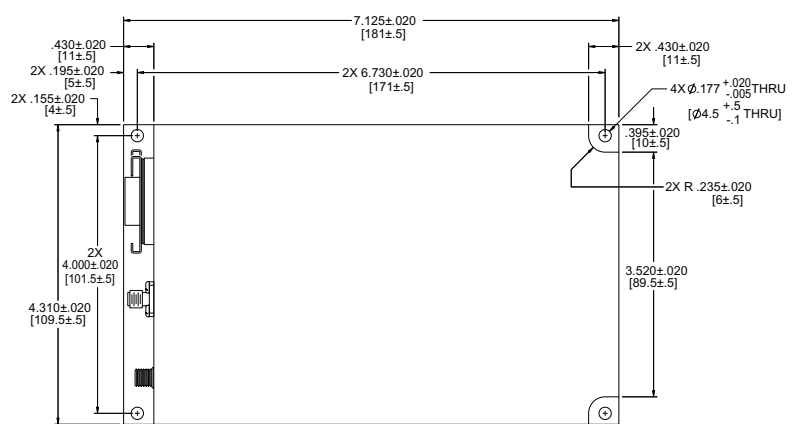
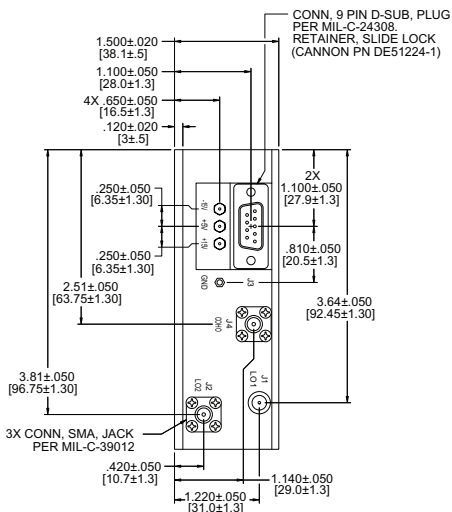
Accuracy:	± 50 ppm (all outputs)
Tuning Control:	4 bit TTL
BITE Scheme:	Phase Lock Bit (Logic "0" indicates loss of lock.)
DC Power:	+ 15 V @ 1600 mA, max
	- 15 V @ 350 mA, max
	+ 5 V @ 500 mA, max
Power Consumption:	30 W, typical

Environmental Specifications

Operating Temperature:	- 54 to + 85 °C, baseplate
Environment:	Ground and Airborne

Mechanical Specifications

Size:	4.31" x 7.125" x 1.5"
	109 x 181 x 39 mm
Weight:	5 lbs, nominal
	2.3 kg
Connectors:	9 Pin Sub-D, SMA



Specifications subject to change without notice.