

Synthesizers

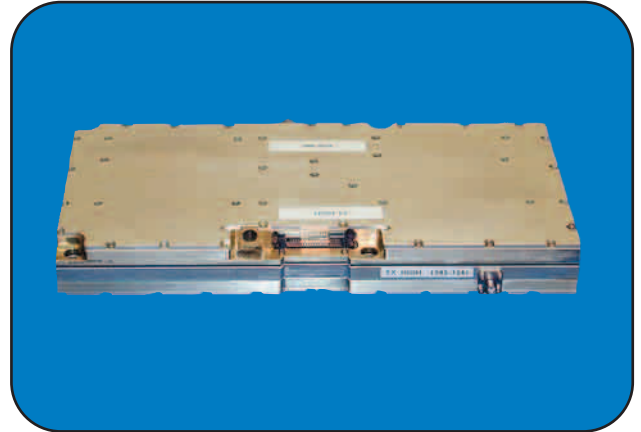
Dual Module Synthesizers, 9.5 - 10.9 GHz

Model: SYN145



Features:

- Two Independent X-Band Source Outputs for TX/RX
- Adaptable Serial Interface
- 125 kHz Frequency Stepsize
- Integrated Phase Noise (DSB) <math><0.2 \text{ deg ms}</math>
- Low Cost and High Performance
- Configurable in any 700 MHz Band



Electrical Specifications

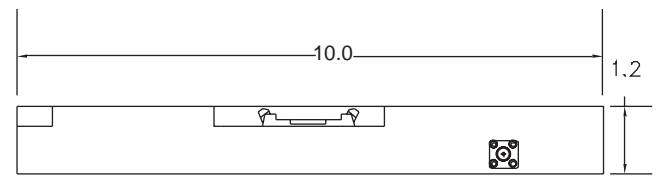
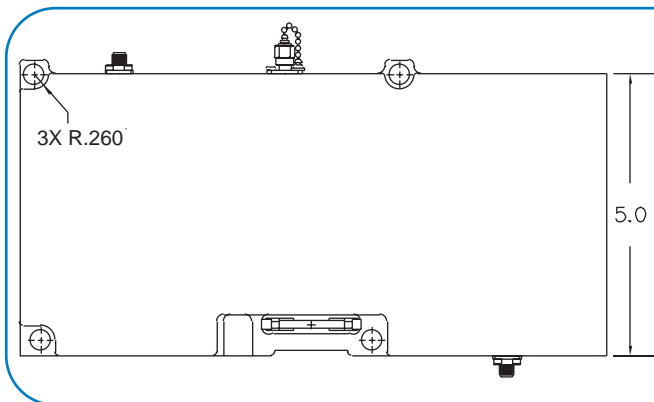
Frequency Range:	9.5 -10.9 GHz
Step Size:	0.125 MHz
Output Power:	10 to 15 dBm
Switching Speed:	4 ms
Stability:	± 3 ppm
Internal Reference	Yes
Output VSWR	2.0:1
Harmonics:	- 25 dBc
Spurious:	- 65 dBc
SSB Phase Noise:	
Offset	SSB Level
10 kHz	-95 dBc/Hz
100 kHz	-115 dBc/Hz
1 MHz	-138 dBc/Hz
DC Power Voltage:	$\pm 5, + 8.5, +20$ V
Current:	620, 1300, 15 mA

Environmental Specifications

Operating Temperature:	0 to 70 °C
Environment:	Ground

Mechanical Specifications

Size:	10" x 5" x 1.2"
RF Connectors:	SMA (F)
DC Interface:	40 pin Santec



Dimensions: Inches

Specifications subject to change without notice.