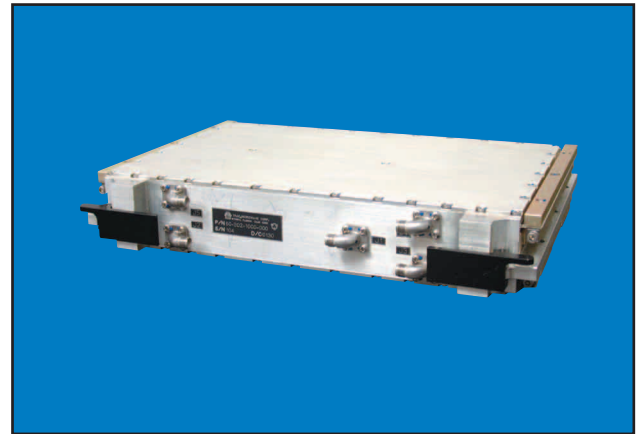


Synthesizers  
 Quad Frequency Synthesizer, .65 - .95 GHz  
 Model: SYN148



**Features:**

- 4 Independent Channels
- Fast Switching Speed: 65  $\mu$ s
- Fine Step Size: < 1 kHz
- Small Package



**Electrical Specifications**

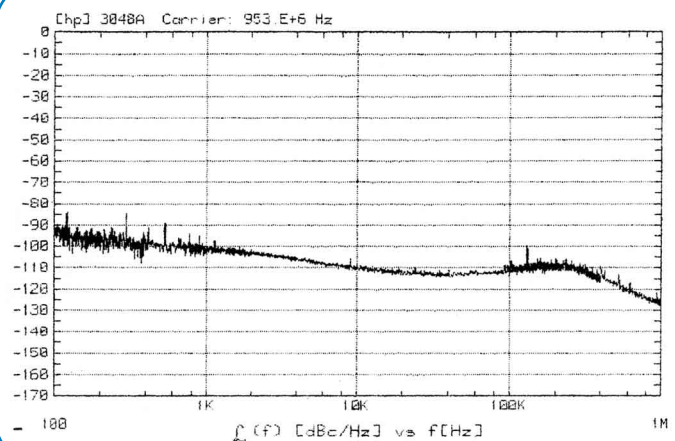
Frequency Range:	.65 - .95 GHz
Step Size:	< 1 kHz
Switching Speed:	65 $\mu$ s, typical
Output Power:	+ 13 dBm, $\pm$ 2.0 dB
SSB Phase Noise (dBc/Hz, typical):	
<b>Offset</b>	
100 Hz	- 96
1 kHz	- 102
50 kHz	- 112
1 MHz	- 125
Reference Signal:	External @ 300 MHz
Stability:	Follows Input Reference
Spurious:	- 60 dBc, typical
Harmonics:	- 50 dBc, max
Output VSWR:	2.0:1, typical
Tuning Control:	Parallel w/ Select & Strobe
BITE Scheme:	Phase Lock, RF Power
DC Power:	+ 15, -12, +5 V (36 Watts)

**Environmental Specifications**

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

**Mechanical Specifications**

Size (nominal): 9.1 x 5.96 x 1.6 inches  
 231 x 151 x 41 mm  
 Weight: 4.7 lbs (21.32 kg)  
 Connectors: SMA, Sub-D



Specifications subject to change without notice.