

Synthesizers
Wideband YIG Synthesizers, 5 - 10 GHz
Model: SYN112

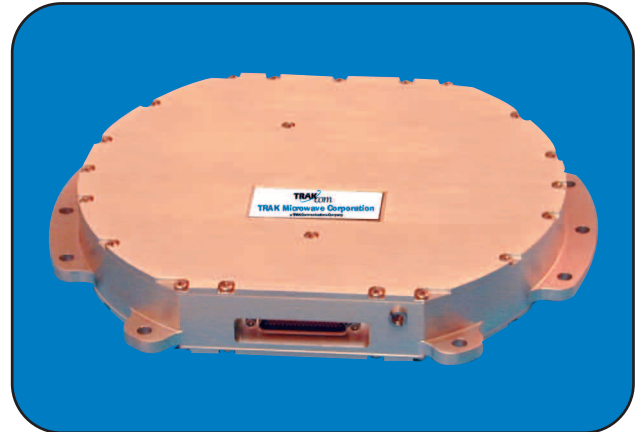


Features:

- Octave Bandwidth

- Fine Frequency Resolution

- Built-In Test Function



Electrical Specifications

Frequency Range:	5 -10 GHz, approximate
Step Size:	500 kHz
Switching Speed:	350 μ s, steps up to 10MHz
Output Power:	17 dBm \pm 3 dB typical
SSB Phase Noise:	
Offset	SSB Level
10 kHz	-48 dBc/Hz typical @10 GHz
100 kHz	-85 dBc/Hz typical @10 GHz
1 MHz	-125 dBc/Hz typical @10 GHz
Stability:	\pm 50 ppm
Spurious:	- 60 dBc, maximum
Harmonics:	- 30 dBc, maximum
Tuning Control:	14 bit TTL & Strobe
BITE Scheme:	Phase Lock Bit
DC Power:	\pm 14 V, \pm 5 V (40W)
Temperature Sensors:	10 μ A/ $^{\circ}$ C

Environmental Specifications

Operating Temperature:	- 40 to 85 $^{\circ}$ C
Environment:	Airborne

Mechanical Specifications

Size (nominal):	5.45" x 5.45" x .95"
Weight:	3 lbs. 1.36 kg.
RF Connectors:	GPO
DC Connector:	37 pin, MDM

Specifications subject to change without notice.