

Synthesizers

High Speed Direct Synthesizer, 9.25 - 19 GHz

Model: SYN146



Features:

- High Speed Switching <500 nsec
- Wide Bandwidth
- Small Size: <2400 cc
- Step Size As Small As: < 1 Hz



Electrical Specifications

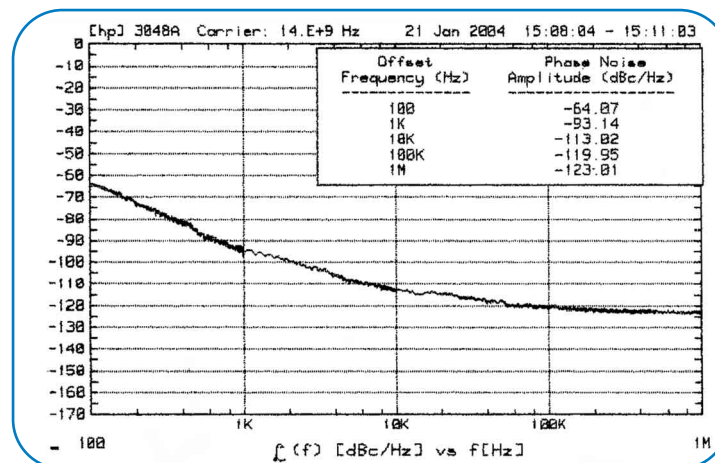
Frequency Range:	9.25 - 19 GHz
Step Size:	~ 33 kHz
Switching Speed:	< 500 nsec
Output Power:	+ 11 dBm, nominal
SSB Phase Noise (dBc/Hz @ 19 GHz):	
Offset	
100 Hz	- 60
1 kHz	- 90
10 kHz	- 112
Accuracy:	± 60 ppm
Spurious:	- 60 dBc, typical
Harmonics:	- 50 dBc, max
Tuning Control:	18 BIT parallel binary, TTL
DC Power:	+ 15 VDC @ 1 A + 8 VDC @ 3 A - 8 VDC @ 0.6 A
Power Consumption:	43 W, max

Environmental Specifications

Operating Temperature: - 54 to + 95 °C
Environment: Airborne

Mechanical Specifications

Size (nominal): 6.69 x 5.24 x 4.18"
170 x 133 x 106.2 mm
Weight: 12 lbs (5.44 kg)
RF Connectors: SMA (F)
DC Connector: MDM 37



Specifications subject to change without notice.

smiths

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