

Synthesizer, 1000-2900 MHz, 3dBm, 5Volts

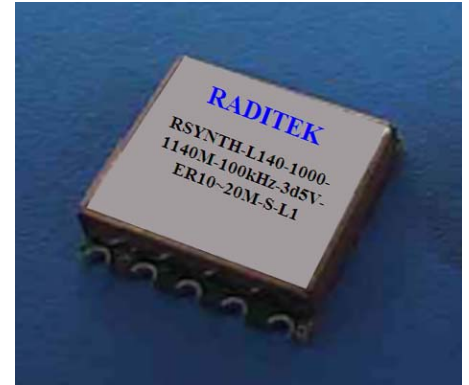
code-L1

100kHz Step Size, Surface Mount, 10~20 MHz External Reference

Variable Frequency: Select any 140MHz Bandwidth between 1000-2900MHz

RSYNTH-L140-1000-2900M(140M)-100kHz-3d5V-ER10~20M-S-L1

Raditek's L140 Series synthesizers are precision Microwave Signal Sources, Available in 140MHz Bandwidths from 1000 to 2900MHz, includes an internal 10MHz TCXO reference. Optimum phase noise is obtained with an internal, high Q, CRO, with phase noise ≤ -90 dBc/Hz at 10 KHz offset. Slightly lower Q oscillators are used for the 140 MHz bandwidth model tuning bandwidths, and still have excellent phase noise.



Order Examples: RSYNTH-L140-1000-1140M-100kHz-3d5v-ER10~20M-S-L1

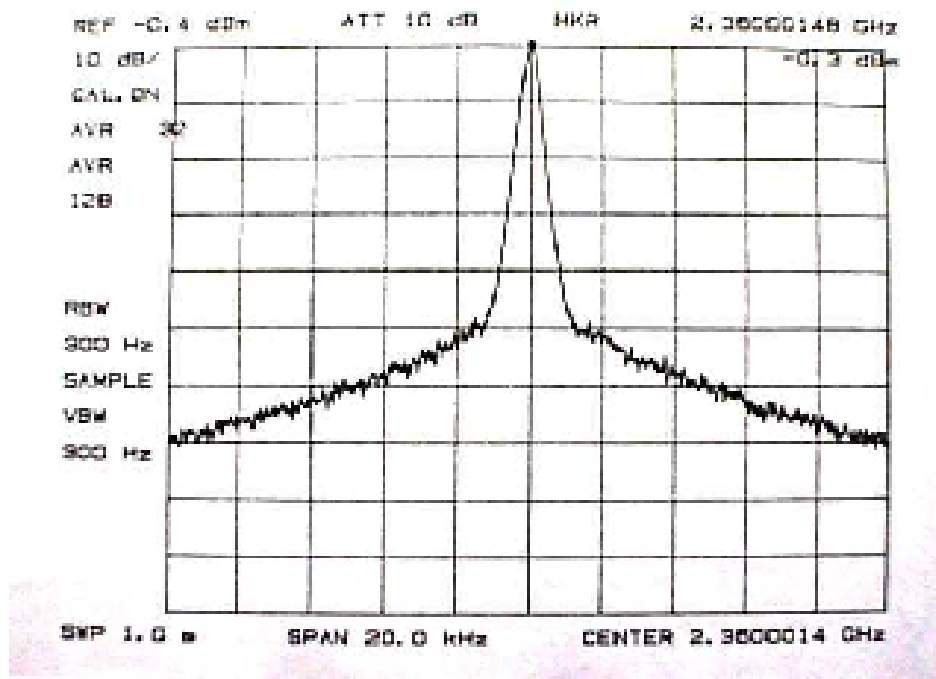
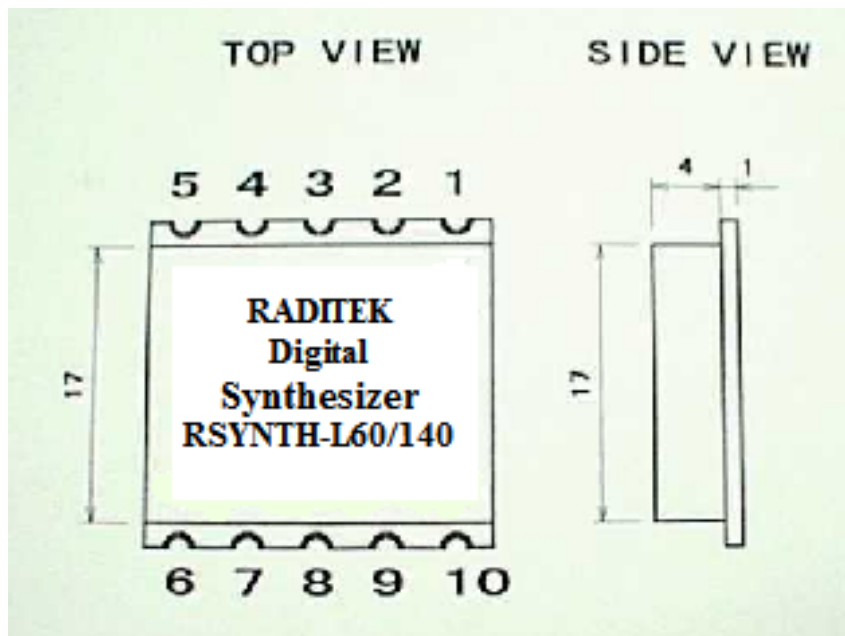
Electrical Performance		Units
Center Frequency :	1000~2900	MHz
Frequency Band Width:	140	MHz Max
Phase Noise (dBc/ Hz)		
• 10 kHz offset	-90	dBc/Hz
• 100 kHz offset	-110	dBc/Hz
Step Size	100	kHz
RF Output Power :	+3	dBm
DC Bias (max)		
•	+5V	@ 40mA
• -	-5V,+10V	@10mA
Spurious:	-70	dBc
External Reference	10~20	MHz
Lock Detect Output :	Lock -"H"	-H
Frequency Setting (TTL)	Serial Data, Clock, Strobe	
Operating Temp. Range :	-30~+70	°C

ROHS Compliant

RADITEK INC.

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code-L1



RSYNTH-L140-1000-2900M(140M)-100kHz-3d5v-ER10~20M-S-L1 **Specifications may be subject to change** 11/20/08

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