

**Dual Loop Synthesizer, 2.507-2.522GHz, 0dBm, 5Volts
2000kHz Step Size, Surface Mount, 10 MHz External Reference
Variable Frequency: Select any 200MHz Bandwidth between 150-2900MHz
RSYNTH-L151-2.5076-2.5226-200k-0d5V-ER10M-S-L1**

code-L1

Raditek's L151 Series is a Dual-Loop Synthesizer applies our unique architecture and allows small frequency step sizes compared with traditionally designed synthesizers. The low cost and small package can be achieved by surface mount configuration and our VCO technology.



Order Examples: RSYNTH-L151-2.5076-2.5226-200k-0d5V-ER10M-S-L1

Electrical Performance		Units
Frequency Range:	2.5076-2.5226	GHz
Frequency Step	200	kHz
RF Output(min)	0 ±2	dBm
Spurious		
• Harmonics	≤-20	dBc
• Non-Harmonics	≤-70	dBc
Phase Noise		
• 100 Hz offset	≤-85	dBc/Hz
• 1 kHz offset	≤-90	dBc/Hz
• 10 kHz offset	≤-100	dBc/Hz
• 100 KHz offset	≤-120	dBc/Hz
External Reference	10 C/N=-150dBc/Hz at 1KHz offset	MHz
Frequency Control	4-lines, Serial data, clock, strob1, strob2	
Level	TTL	
Alarm Output	Lock TTL-Hi Un-lock TTL-Low	
DC Power	+5V	@100 mA (Typical)
Package	SMD	
Dimensions (see page 2)	40x42.9x8	mm
Operating Temperature	-30 to +75	°C

RSYNTH-L151-2.507-2.522-200k-0d5V-ER10M-S-L1 Specifications may be subject to change 11/20/08

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ROHS Compliant

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Dimensions: (mm)

