

Synthesizer, 190-300MHz, 15dBm, 12Volts

code-L1

100kHz Step Size, SMA Female Connectors, 10 to 100 MHz External Reference

Variable Frequency: Select any 100MHz Bandwidth between 190-300MHz

RSYNTH-L502-190-300M(100M)-100kHz-Sf-15d12v-ER10~100M-L1

Raditek's L502 Series is a Single-Loop Synthesizer with very low phase noise, approximately -100dBc/Hz over a 100MHz bandwidth range. This model features a compact package that can be fitted in various applications. The wide frequency bandwidth and low phase noise characteristics are achieved by implementing our Voltage Controlled Oscillator (VCO) technology



Order Examples: RSYNTH-L502-190-290M-100kHz-Sf-15d12v-ER10~100M-L1

Electrical Performance		Units
Center Frequency :	190 ~300	MHz
Band Width	100	MHz Max
Step Size (min)	100	kHz
SSB Phase Noise		
• 100 Hz offset	-100	dBc/Hz
• 1 kHz offset	-100	dBc/Hz
• 10 kHz offset	-100	dBc/Hz
• 100 kHz offset	-125	dBc/Hz
RF Output Power :	+15	dBm
Control Voltage (Vt)	0.5-4.5	V
DC Bias	15	mA (max) @+5V
Spurious: Non-Harmonics	-65	dBc
External Reference	10 ~100	MHz
DC Power	300	mA @+12V
Connectors RF Out, Reference In	SMA (F)	
DC, Data, Clock, Strobe, Alarm	D-sub(9 pin)	
Dimensions	70x40x17	mm

ROHS Compliant

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