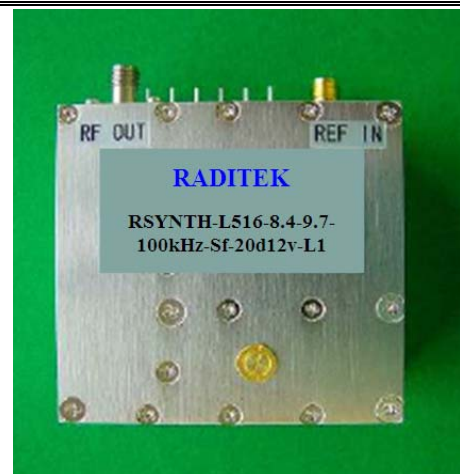


Synthesizer, 8.4-9.7GHz, 20dBm, +12Volts
100kHz Step Size, SMA Female Connectors
Variable Frequency: 8.4-9.7GHz, 100kHz Step Size
RSYNTH-L516-8.4-9.7-100kHz-Sf-20d12v-L1

code-L1

Raditek's L516 Series Synthesizer covers 8.4-9.7 GHz. These synthesizers are designed for various requirements and applications including Digital Broadcast TV, Microwave Links and Test Instruments. Essential characteristics such as, Phase Noise Level, Frequency Bandwidth, Step Size and RF Output Level can be achieved based on the customers requirement.

Order Examples: RSYNTH-L516-8.4-9.7-100kHz-Sf-20d12v-L1



Electrical Performance		Units
Frequency Range :	8.4-9.7	GHz
Frequency Resolution	100	kHz
RF Output Power :	20	dBm min
SSB Phase Noise		
• 100 Hz offset	≤-70	dBc/Hz
• 1 kHz offset :	≤-85	dBc/Hz
• 10 kHz offset :	≤-87	dBc/Hz
• 100 kHz offset :	≤-87	dBc/Hz
• 1 MHz offset :	≤-116	dBc/Hz
• Spurious:	-65	dBc max
• Harmonics	-40	dBc max
Switching Speed:	100	msec max
Load VSWR	1.8	:1 max
Reference Frequency Output	60 MHz @+10dBm, 100MHz	
Frequency Control:	Parallel, BCD Coded CMOS	
Frequency Alarm :	Phase lock Alarm	
• Lock :	TTL-Hi	
• Un-Lock :	TTL-Lo	
Frequency Stability & Accuracy:	+/- 1	PPM
Aging (per year):	+/- 1	PPM
DC Power	12, 15	Volts
RF Output Connector:	SMA Female	
Frequency Control & DC Connector:	DB37(M)	
• Size	80 x 120 x 26	mm

RSYNTH-L516-8.4-9.7-100kHz-Sf-20d12v-L1 **Specifications may be subject to change**

05/18/10

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