

Synthesizer, 550-1500MHz, 10dBm, +15Volts

code-L1

5MHz Step Size, SMA Female Connectors, Internal Reference ±5ppm

RSYNTH-L517-550-1500M-5MHz-Sf-10d15V-IR-L1

Features:

- **Low Cost, High Performance:** 65mm(2.56”) x 80mm(3.15”) x 15mm (0.59”)
- **Covered Frequency Range:** 550-1500MHz
- **Internal Reference:** ±5.0ppm frequency stability

Order Examples: RSYNTH-L517-550-1500M-5MHz-Sf-10d15V-IR-L1



Electrical Performance		Units
Frequency Range :	550 ~ 1500	MHz
Step Size	5	MHz
RF Output Power :	+10dBm ±2dB	
VSWR	2	:1 max
Internal Reference		
• Frequency stability	±5 ppm at -10 ~ +70°C	
SSB Phase Noise		
• 1 kHz offset :	≤-90	dBc/Hz
• 10 kHz offset :	≤-95	dBc/Hz
• 100 kHz offset :	≤-115	dBc/Hz
Spurious:		
• Harmonics	≤-60	dBc
• Non-Harmonics :	≤-20	dBc
Frequency select	8 bits Parallel 1 bit : Enable	
Alarm Out		
• Lock :	TTL-Hi	
• Un-Lock :	TTL-Lo	
Lock up Time	500	µsec (fo±1KHz)
DC Bias :	+15V ±5%	50mA max
	+5V ±5%	150mA max
Weight	200	gram max
Environmental Conditions		
• Operating Temperature Range	-20 ~ +70	°C
Package Connectors		
• Dimensions	65x80x15	mm
• Connectors RF Control	SMA (F)	
• DC- Bias	DF13-14P-1.25DS(Hirose)	

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