



Broadband Frequency Doubler

30 MHz-2.1 GHz

D-5-4

Conversion Loss — 13 dB Max
Untuned

Guaranteed Specifications*

(From -55°C to +85°C)

Input Frequency Range	30 MHz-2.1 GHz	
Output Frequency Range	60 MHz-4.2 GHz	
Conversion Loss*	13 dB Max @ 30 mW Input	
Spurious (Referred to Output F ₂ Level)		
F ₁	30-500 MHz	-25 dB
	0.5-2.1 GHz	-15 dB
F ₃	90-1500 MHz	-30 dB
	1.5-6.3 GHz	-20 dB

Operating Characteristics

Typical Input VSWR	30 MHz-1 GHz	1.5:1
	1-2.1 GHz	1.8:1
Typical Conversion Loss as Quadrupler	26 dB	
Input/Output Impedance	50 Ohms	
Maximum Input Power	1.0 Watt	
Environmental	See Appendix for MIL-STD-883 screening option.	

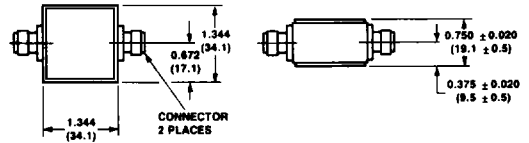
*All specifications apply when operated at +14.8 dBm input power 50 ohm source and load impedance.

Ordering Information

Model No.	Package
D-5-4 N	Connectorized
D-5-4 SMA	Connectorized

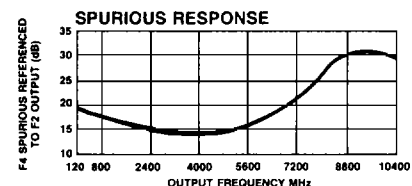
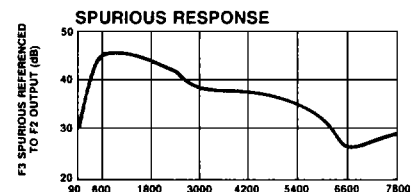
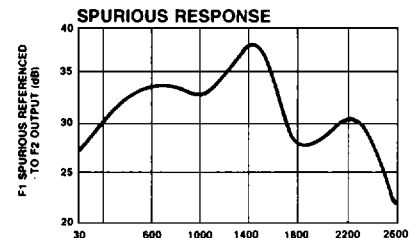
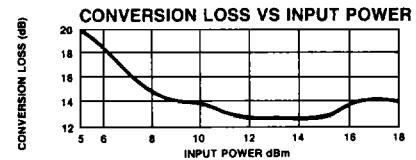
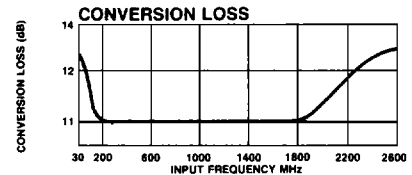
C-5

Dimensions in () are in mm.



See Appendix for complete physical dimensions.

Typical Performance



Specifications Subject to Change Without Notice.