



Broadband Frequency Doubler

200 kHz-1.2 GHz Output

FM-102-4

- Conversion Loss – 13 dB Max
- Untuned

Guaranteed Specifications*

(From –55°C to +85°C)

Frequency Range		
Input	100 kHz-600 MHz	
Output	200 kHz-1.2 GHz	
Conversion Loss*		12 dB Max @ 20 mW Input
Spurious (Referred to Output F₂ Level)		
F ₁	0.1-200 MHz	- 24 dB
	200-600 MHz	- 18 dB
F ₃	0.3-600 MHz	- 35 dB
	600-1800 MHz	- 24 dB

Operating Characteristics

Maximum Input Power	0.5 Watt
Typical Input VSWR	1.5:1
Input/Output Impedance	50 Ohms

Environmental

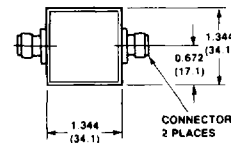
See Appendix for MIL-STD-883 screening option.

*All specifications apply when operated at +13 dBm input power 50 ohm source and load impedance.

Ordering Information

Model No.	Package
FM-102-4 SMA	Connectorized

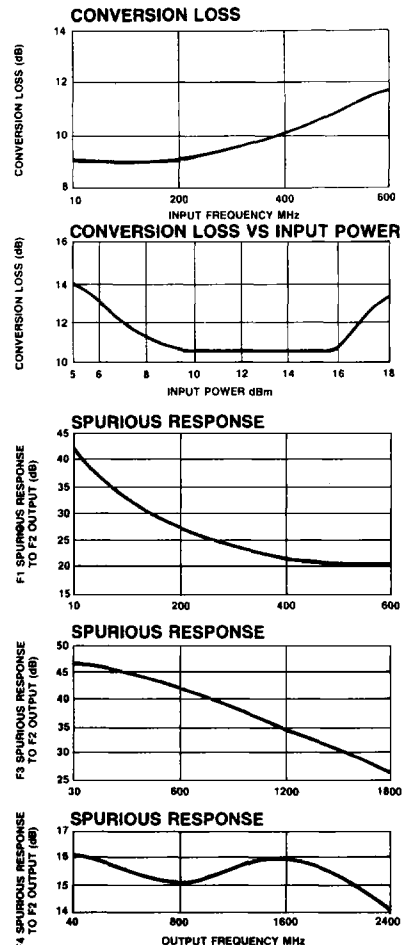
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Dimensions in () are in mm.

See Appendix for complete physical dimensions.

Typical Performance



Specifications Subject to Change Without Notice.