



SMA Female 2x Frequency Multiplier with 8 GHz to 18 GHz Output and 10 dB Conversion Loss

Fairview Microwave's FMDB1002 is a frequency multiplier with a multiplication factor of 2, also known as a frequency doubler. This frequency doubler covers a wide output frequency range of 8 GHz to 18 GHz. Typical performance of this frequency multiplier includes 10 dB conversion loss. The FMDB1002 frequency multiplier also provides 23 dB minimum fundamental isolation.



Description	Min	Тур	Max	Units
Input Frequency Range	4		9	GHz
Output Frequency Range	8		18	GHz
Impedance		50		Ohms
Input Power (CW)	+10		+13	dBm
Conversion Loss		10	12	dB

Electrical Specification Notes:

Values at 25°C, sea level.

Fundamental isolation referenced to input signal.

Mechanical Specifications

Size

Length	1.55 in [39.37 mm]
Width	0.31 in [7.87 mm]
Height	0.59 in [14.99 mm]
Weight	1 lbs [453.59 g]

Body Material and Plating

Passivated Stainless Steel Package Type Connectorized **Output Connector** SMA Female

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C Storage Range -65 to +150 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- x2 Frequency Multiplier
- · Wide Frequency Band
- Low Conversion Loss

Applications:

- · Electronic Warfare
- Point-to-Point Radio
- Point-to-Multipoint Radio
- VSAT Radios
- Space Systems
- Test Instrumentation
- Telecommunications

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





SMA Female 2x Frequency Multiplier with 8 GHz to 18 GHz Output and 10 dB Conversion Loss from Fairview Microwave is instock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

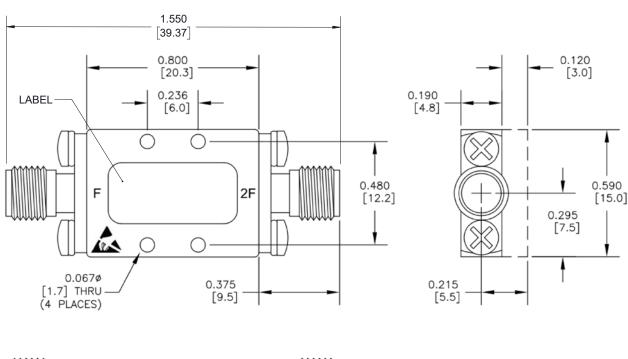
For additional information on this product, please click the following link: SMA Female 2x Frequency Multiplier with 8 GHz to 18 GHz Output and 10 dB Conversion Loss FMDB1002

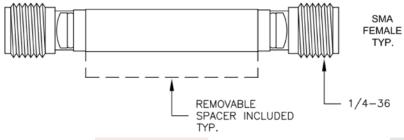
URL: https://www.fairviewmicrowave.com/sma-2x-frequency-multiplier-18-ghz-10-db-fmdb1002-p.aspx











LABEL

Fairview Microwave
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www.FAIRVIEWMICROWAVE.com
FMDB1002

STANDARD TOLERANCES .X ±0.2

.XX ±0.01 .XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

Fairview Microwave	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].						
SMA Female 2x Frequency Multiplier with 8 GHz to 18 GHz Output and 10 dB Conversion Loss	DWG NO FMDB1002			CAGE CODE 3FKR5			
	CAD FILE 05/24/18	SHEET 1 OF 1	SCAL	E N/A	SIZE A	7361	