

Coaxial

Frequency Multiplier

FD-2

Output 10 to 1000 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Input Power*	200mW

*Input is at Male BNC

Features

- wideband, 10 to 1000 MHz
- rugged, shielded case
- low conversion loss, 13.5 dB typ

Applications

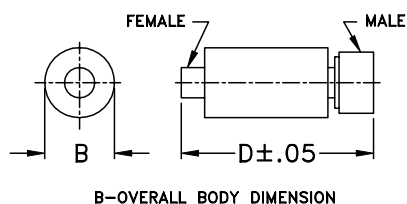
- synthesizers
- local oscillators



CASE STYLE: FF55

Connectors	Model	Price	Qty.
BNC	FD-2	\$40.95	(1-9)
SMA	FD-2-S	\$45.95	(1-9)

Outline Drawing



Frequency Multiplier Electrical Specifications

MODEL NO.	MULTIPLICATION FACTOR	FREQUENCY (MHz)		INPUT POWER (dBm)		CONVERSION LOSS (dB)		*HARMONIC OUTPUT (dBc)					
		Input	Output	Min.	Max.	Typ.	Max.	F1		F3		F4	
FD-2	2	5-100	10-1000	1	15	13.0	16.0	40	30	50	40	16	12
		100-300	10-1000	1	15	13.5	15.5	25	20	40	30	16	12
		300-500	10-1000	1	15	14.0	16.5	20	15	30	25	16	12

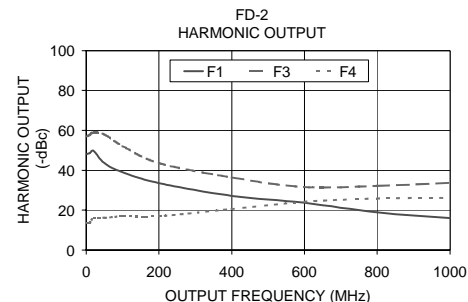
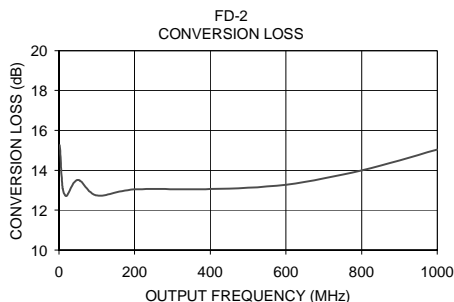
*Harmonic output below power level of F2

Typical Performance Data

Output Frequency (MHz)	Conversion Loss (dB)	Harmonic Output (-dBc)		
		F1	F3	F4
2.00	15.26	48.20	57.00	13.70
10.00	13.06	48.70	57.80	13.80
20.00	12.72	49.80	59.00	16.00
50.00	13.52	43.60	58.00	16.20
100.00	12.74	39.00	52.20	16.90
200.00	13.04	33.60	43.60	17.00
400.00	13.06	27.20	36.40	20.60
600.00	13.28	23.70	31.60	24.20
800.00	14.00	18.90	32.20	25.90
1000.00	15.04	16.00	33.70	26.20

Outline Dimensions (inch/mm)

B	D	wt.
.54	2.59	grams
13.72	65.79	40.0



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FD-2
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