

Coaxial

Frequency Multiplier

Output 20 to 2000 MHz

Maximum Ratings

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

Features

- wideband, 20 to 2000 MHz
- rugged, shielded case
- low insertion loss, 13 dB typ.

Applications

- synthesizer
- local oscillators

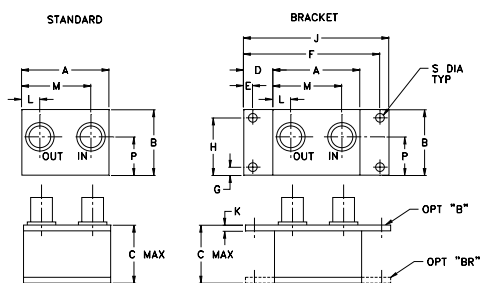
MK-5



CASE STYLE: L19

Connectors	Model	Price	Qty.
SMA	MK-5	\$76.95	(1-9)
BRACKET (OPTION "B")		\$5.00	(1+)
BRACKET (OPTION "BR")		\$1.50	(1+)

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H
1.50	1.13	1.00	.50	.155	2.345	.138	.987
38.10	28.70	25.40	12.70	3.94	59.56	3.51	25.07

J	K	L	M	N	P	S	wt
2.50	.10	.31	1.19	—	.66	.150	grams
33.50	2.54	7.87	30.23	--	16.76	3.81	37.0

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 Typ.	F1 Min.	F3 Typ.	F3 Min.	F4 Typ.	F4 Min.
MK-5	2	10-600	20-1200	10**	20	13.0	15.0	20	10	26	20	15	10
		600-1000	1200-2000	10**	20	14.0	17.0	20	10	25	20	25	15

* Harmonic output below power level of F2
 ** Minimum input power +13dBm above 700 MHz.

Typical Performance Data

Output Frequency (MHz)	Conversion Loss (dB)	Harmonic Output (-dBc)		
		F1	F3	F4
20.00	12.28	20.30	26.20	15.60
50.00	12.35	21.40	27.00	13.60
100.00	12.31	22.00	27.30	14.30
150.00	12.35	22.00	26.00	14.60
200.00	12.27	21.80	25.20	14.40
400.00	12.27	24.80	28.30	15.00
800.00	13.42	20.00	33.40	15.20
1200.00	12.09	16.20	26.80	23.20
1600.00	12.92	15.60	28.70	24.20
2000.00	14.71	15.30	30.70	26.70

