

Coaxial Frequency Multiplier

Output 0.1 to 300 MHz

Maximum Ratings

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

Features

- low insertion loss, 11 dB typ.
- rugged, shielded case

Applications

- synthesizer
- local oscillators

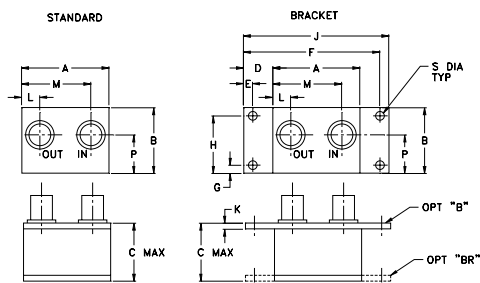
MK-3



CASE STYLE: L19

Connectors	Model	Price	Qty.
SMA	MK-3	\$47.95	(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-3	2	0.05-50	0.1-100	0	13	11.0	17.0	40	28	45	30	16	12
		50-150	100-300	0	13	11.5	15.0	35	20	40	20	16	12

*Harmonic output below power level of F2

Typical Performance Data

Output Frequency (MHz)	Conversion Loss (dB)	Harmonic Output (-dBc)		
		F1	F3	F4
0.20	10.92	59.00	68.00	14.40
2.00	10.44	60.00	73.00	14.20
10.00	10.38	55.00	61.60	18.20
20.00	10.47	54.20	55.60	20.00
50.00	10.62	48.60	51.30	19.30
100.00	10.78	45.00	45.00	20.80
150.00	10.63	43.00	40.00	21.50
200.00	10.93	38.00	37.60	21.40
250.00	11.39	37.00	35.60	24.00
300.00	11.43	36.70	40.00	32.00

