

X2 Frequency Multiplier

50Ω Output 2 to 1000 MHz

SK-2+



Maximum Ratings

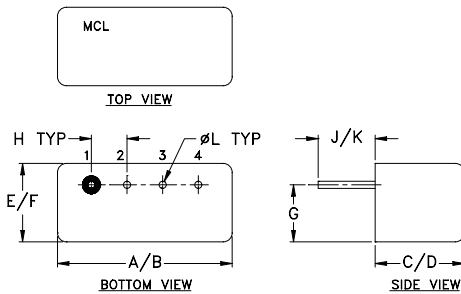
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Input Power	200mW

Pin Connections

INPUT	1,2 [^]
OUTPUT	4
GROUND EXT.	3
CASE GROUND	3

[^] pins must be connected together externally

Outline Drawing



Outline Dimensions (Inch/mm)

A	B	C	D	E	F
.480	.500	.240	.255	.210	.230
12.19	12.70	6.10	6.48	5.33	5.84
G	H	J	K	L	wt
.16	.100	.14	.20	.020	grams
4.06	2.54	3.56	5.08	0.51	1.9

Features

- wideband, 2 to 1000 MHz
- low conversion loss, 13.5 dB typ.

Applications

- synthesizers
- local oscillators

CASE STYLE: B02

PRICE: \$28.70 ea. QTY (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

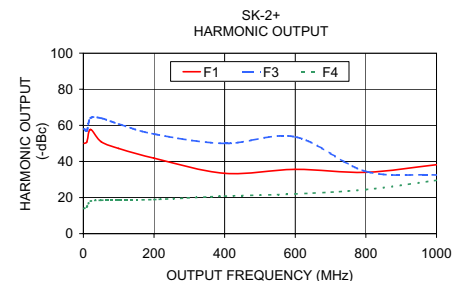
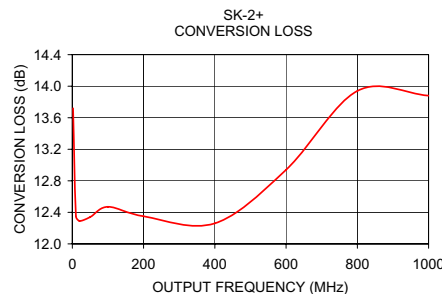
Electrical Specifications

MULTIPLICATION FACTOR	FREQUENCY (MHz)		INPUT POWER (dBm)		CONVERSION LOSS (dB)		*HARMONIC OUTPUT (dBc)					
	F1	F2					F1		F3		F4	
	Input	Output	Min.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.
2	1-100	2-200	1	10	13.0	15.0	40	30	50	40	16	12
	100-300	200-600	1	10	13.5	15.5	25	20	40	30	16	12
	300-500	600-1000	1	10	14.0	16.0	20	15	30	25	16	12

* Harmonics of input frequency below the power level of F2

Typical Performance Data

Output Frequency (MHz)	Conversion Loss (dB)	Harmonic Output (-dBc)		
		F1	F3	F4
2.00	13.72	50.00	58.00	13.90
10.00	12.35	50.80	57.00	15.00
20.00	12.29	57.70	64.00	18.00
50.00	12.34	51.00	64.00	18.50
100.00	12.47	47.20	60.80	18.70
200.00	12.35	41.80	55.20	18.90
400.00	12.26	33.40	50.00	20.80
600.00	12.94	35.60	53.60	22.00
800.00	13.94	34.00	34.50	24.40
1000.00	13.88	38.20	32.50	29.60



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RF/IF MICROWAVE COMPONENTS

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