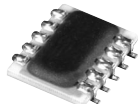


Frequency Doubler

1.6 to 2.2 GHz



KBA-20



Features

- low conversion loss, 12 dB typ.
- solder plated leads for strain relief and excellent solderability

Applications

- synthesizers
- local oscillators

Electrical Specifications

MODEL NO.	FREQUENCY (GHz)		INPUT POWER (dBm)		CONVERSION LOSS (dB)			HARMONIC OUTPUT (dBc)				CASE STYLE	PRICE \$ Qty. (10-49)		
	Input	Output	Min.	Max.	Input Freq.	Typ.	Max.	F1 Typ. Min.	F3 Typ. Min.	F4 Typ. Min.					
KBA-20	1.6 - 2.2	3.2 - 4.4	11	15	1.6 - 2.2	12	15.8	12	7	20	13	23	10	SM2	9.95

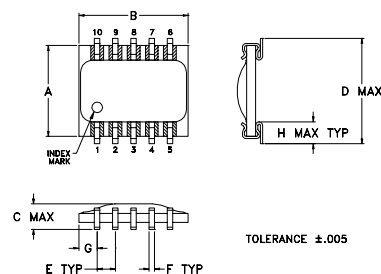
Insertion loss from in-sample: 10 dB typ.

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Maximum Ratings

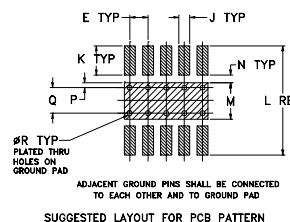
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

Outline Drawing



Pin Configuration

INPUT	10
OUTPUT	5
SAMPLE	3
GROUND	1,2,4,6,7,8,9



Outline Dimensions (inch mm)

A	B	C	D	E	F	G	H	J
.250	.300	.070	.290	.050	.015	.050	.060	.030
6.35	7.62	1.78	7.37	1.27	.38	1.27	1.52	.76
K	L	M	N	P	Q	R		wt.
.080	.300	.100	.020	.015	.070	.014		grams
2.03	7.62	2.54	.51	.38	1.78	.36		.3

REV. A
M70348
KBA-20.PM6
RD/LC/TD
000207