

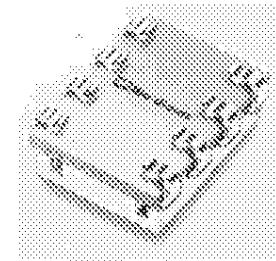
SURFACE MOUNT

Microwave Mixer

LEVEL 7 (LO power +7 dBm)



SKY 60



CASE STYLE: BJ398
PRICE: \$ 14.95 ea. QTY.: 1 9

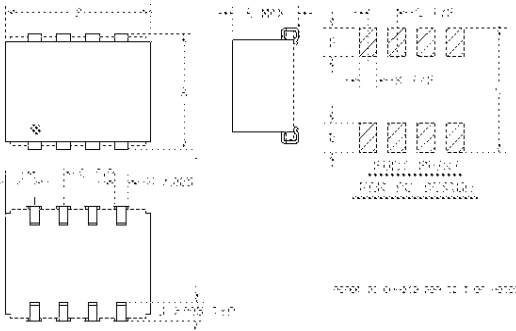
MAXIMUM RATINGS

RF POWER: 50 mW
IF CURRENT: 40 mA
OPERATING TEMP.: 55 C TO 100 C
STORAGE TEMP.: 55 C TO 100 C

PIN CONFIGURATION

LO	1
RF	5
IF	7
GND	2,3,4,6,8

OUTLINE DRAWING



OUTLINE DIMENSIONS (inch/mm)

A	B	C	D	E	F	G	H	
.305	.390		.100	0.1	.045	.100	0.47	
7.75	9.91		2.54	2.54	1.14	2.54	1.19	
J	K	L						wt.
.065	.065	.325						grams
1.65	1.65	8.26						.20



Tape and Reel Package # F29

SPECIFICATIONS

FREQUENCY (MHz)			
RF/LO		IF	
f _l	f _u	DC	1500
2500	6000		
CONVERSION LOSS (dB)			
MID BAND		TOTAL RANGE	
\bar{X}	m	MAX.	MAX.
6.2	0.2		9.7
LO RF ISOLATION (dB)			
TYP.		MIN.	
28		17	
LO IF ISOLATION (dB)			
TYP.		MIN.	
14		8	

LO POWER: +7 dBm
1 dB COMP: +1 dBm Typ.

FEATURES

- wide bandwidth 2.5 to 6.0 GHz
- IF response, usable to 2.5 GHz
- low conversion loss, 6.2 dB typ.
- IP3, 11 dBm typ.
- low profile 0.1" height
- usable to 7.5 GHz

RF (MHz)	LO (MHz)	Conversion Loss (dB)	Isolation L R (dB)	Isolation L I (dB)	RL (dB) LO	RL (dB) RF	IF R. L. (LO=7010MHz) at IF freq. (MHz)	RL (dB)
2500.00	2530.00	5.76	26.43	15.03	9.27	4.10	10.00	31.30
2857.58	2887.00	5.56	22.76	12.36	12.37	4.47	40.00	31.20
3000.00	3030.00	5.87	22.30	11.57	14.16	3.00	100.00	29.97
3285.00	3315.00	6.24	22.37	10.97	16.30	5.93	295.00	22.76
3500.00	3530.00	6.43	23.83	11.37	14.87	7.10	500.00	18.53
3714.29	3744.29	6.43	26.80	12.53	10.73	6.77	580.00	18.10
4000.00	4030.00	6.38	29.23	13.87	10.27	5.73	700.00	17.93
4142.86	4172.86	6.65	34.40	14.30	10.40	5.23	865.00	17.77
4500.00	4530.00	6.74	33.23	16.37	7.54	5.50	1000.00	17.63
4900.00	4930.00	6.83	31.43	16.80	5.50	5.97	1720.00	13.83
5000.00	5030.00	7.04	32.80	19.20	5.77	5.53	2000.00	14.16
5428.57	5458.57	7.52	27.56	20.73	5.63	4.97	2005.00	14.16
5500.00	5530.00	7.52	27.00	20.80	5.77	4.67	2290.00	13.30
5857.14	5887.14	7.57	27.74	21.37	4.57	3.50	2500.00	11.87
6000.00	6030.00	8.04	25.73	21.30	4.80	3.20	2575.00	11.54



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REV.: OR
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