

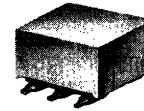
FREQUENCY MIXERS

Surface Mount

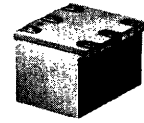
LEVEL 3 400 to 1400 MHz



JMS



LRMS



RMS

+3 dBm LO, up to -3 dBm RF

MODEL NO.	FREQUENCY MHz		CONVERSION LOSS (dB)			ISOLATION LO-RF (dB)		ISOLATION LO-IF (dB)		CAPD DATA (see RF/IF Designer Handbook) Page	Case Style Note B	Case Style NO.	Price \$ Qty. (1-9)
	LO/RF f_c-f_o	IF	\bar{x}	σ	Max.	Typ.	Min.	Typ.	Min.				
JMS-2L	800-1000	DC-200	7.0	0.2	8.4	24	17	20	14	1-210	BH292	ht	7.45
LRMS-2L	800-1000	DC-200	7.0	0.2	8.4	24	16	20	12	1-210	QQQ130	w	6.95
LRMS-5L	400-1400	DC-800	7.0	0.2	9.3	22	14	18	6	1-210	QQQ130	w	13.95
RMS-2L	800-1000	DC-200	7.0	0.2	8.4	24	16	20	12	1-210	TT100	w	6.95
RMS-5L	400-1400	DC-800	7.0	0.2	9.3	22	14	18	6	1-210	TT100	w	13.95

features

- low LO power: 3 dBm.
- JMS-2L, RMS-2L and LRMS-2L are usable at 0 dBm LO.
- wide band coverage: 400-1400 MHz.
- 1 dB compression, -3 dBm typical.
- miniature surface mount (0.25" x 0.31" x 0.2").
- conversion loss spec limit 4.5 s typical from mean.
- ideal for cellular applications.

pin connections

PORT	w	ht ¹
LO	1	6
RF	4	3
IF	5	2
GND EXT.	2,3,6	1,4,5
CASE GND	—	—
NOT USED	—	—

¹ pin connection physically same as w.

NOTES:

- \bar{x} Average of conversion loss at center of mid-band frequency $(f_c-f_o)/4$
- σ Standard deviation
- A. Environmental specifications and re-flow soldering information available in General Information Section.
- B. Units are non-hermetic unless otherwise noted. For details on case dimensions & finishes see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
 - 1a. RF power, 50mW
 - 1b. Peak IF current, 40mA

