

FREQUENCY MIXERS

Surface Mount

IMAGE REJECT 500 to 2550 MHz



JCIR

JCIR-4MH (+15 dBm LO)

JCIR-25 (+13 dBm LO)

MODEL NO.	FREQUENCY MHz			CONVERSION LOSS dB			IMAGE REJECTION dBc		LO-RF ISOLATION dB		LO-IF ISOLATION dB		RF-IF ISOLATION dB		IP3@ center band (dBm)	CASE STYLE	NO. OF PINS	PRICE \$	
	RF f_L-f_U	LO f_L-f_U	IF	\bar{x}	σ	Max.	RF>LO	LO>RF	Typ.	Min.	Typ.	Min.	Typ.	Min.					Typ.
◆ JCIR-4MH	430-930	500-1000	65-75	7.9	0.15	9.0	●	28	18	55	40	25	20	25	15	20	BG291	kj	54.95
◆ JCIR-25	2490-2550	2420-2480	57-83	7.0	—	8.5	●	27	17	35	25	26	18	25	16	16	BG291	kk	44.95

L = low range [f_L to $10 f_L$]

M = mid range [$10 f_L$ to $f_U/2$]

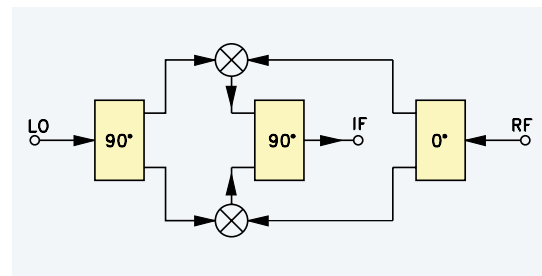
U = upper range [$f_U/2$ to f_U]

features

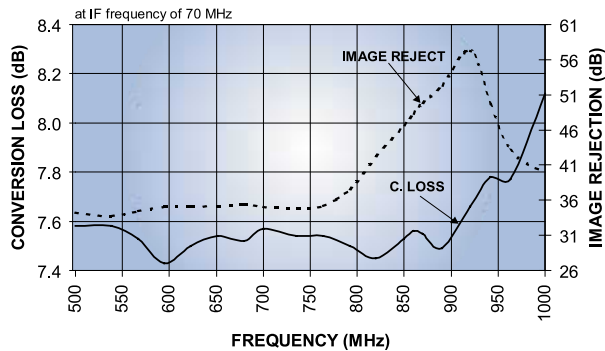
- excellent image rejection, 28 dB typ. (JCIR-4MH)
- low conversion loss, 7.9 dB typ. (JCIR-4MH) 7.0 dB typ. (JCIR-25)
- solder plated J-leads for excellent solderability & strain relief

applications

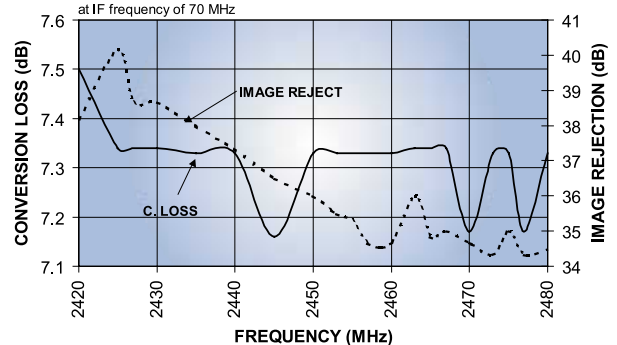
- cellular
- ISM



JCIR-4MH
CONVERSION LOSS & IMAGE REJECTION



JCIR-25
CONVERSION LOSS & IMAGE REJECTION



NOTES:

- ◆ Aqueous washable.
- 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 100mW (JCIR-4MH); 200mW (JCIR-25)
 - 1b. IF current, 40mA

pin connections

see case style outline drawings

PORT	kj	kk
LO	2	9
RF	9	2
IF	11	11
GND	1,3,5,6,7,8 10,12,13,14	1,3,4,5,6,7,8 10, 12, 13, 14
50 OHM TERM	4	—

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