

Surface Mount Image Reject Mixer

Level 15 (LO Power +15dBm) 430 to 930 MHz

JCIR-4MH+
JCIR-4MH



CASE STYLE: BG291

PRICE: \$21.95 ea. QTY (10)

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	100mW
IF Current	40mA

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

LO	2
RF	9
IF	11
GROUND	1,3,4,5,6,7,8,10,12,13,14
50 OHM TERM EXTERNAL	4

Features

- excellent image rejection, 28 dB typ.
- low conversion loss, 7.9 dB typ.
- aqueous washable
- J-leads for excellent solderability & strain relief

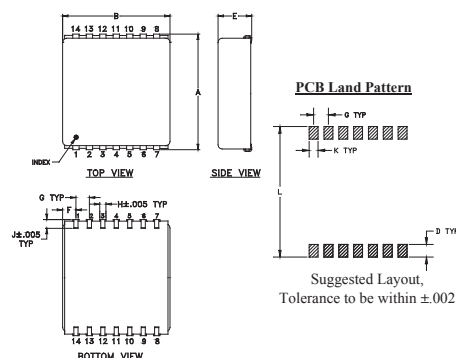
Applications

- cellular

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

The +Suffix identifies RoHS Compliance. See our web site
for RoHS Compliance methodologies and qualifications.

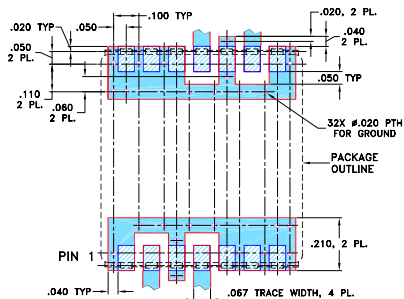
Outline Drawing



Outline Dimensions (inch)

A	B	C	D	E	F	G
.870	.800	--	.100	.250	.100	.100
22.10	20.32	--	2.54	6.35	2.54	2.54
H	J	K	L		wt	
.047	.065	.065	.890		grams	
1.19	1.65	1.65	22.61		4.0	

Demo Board MCL P/N: TB-21 Suggested PCB Layout (PL-209)



NOTE:

1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .030" ± .002"; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

■ DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)

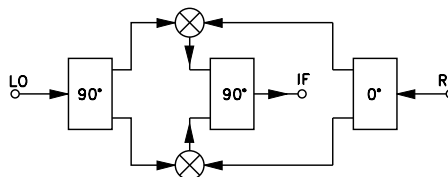
■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

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IF/RF MICROWAVE COMPONENTS

Electrical Schematic



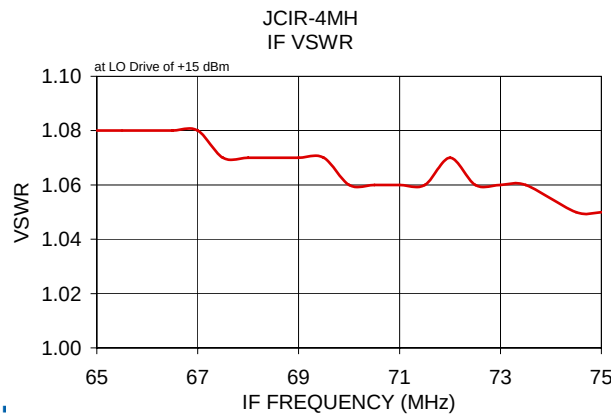
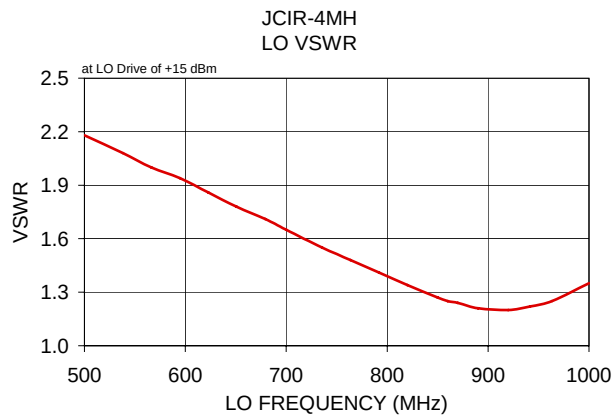
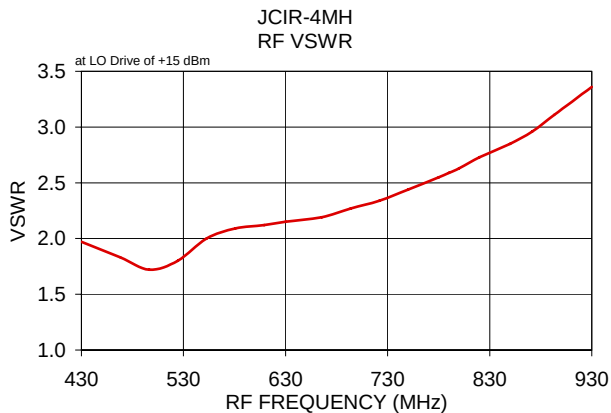
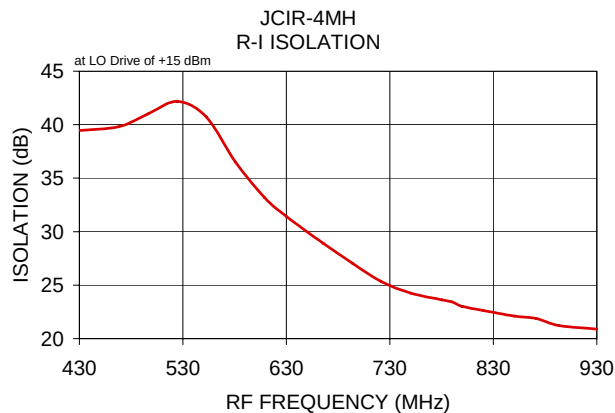
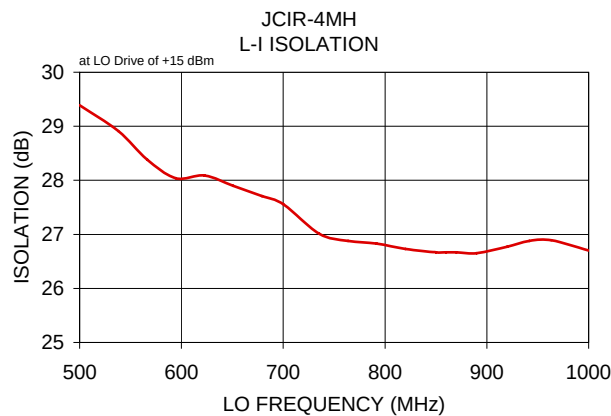
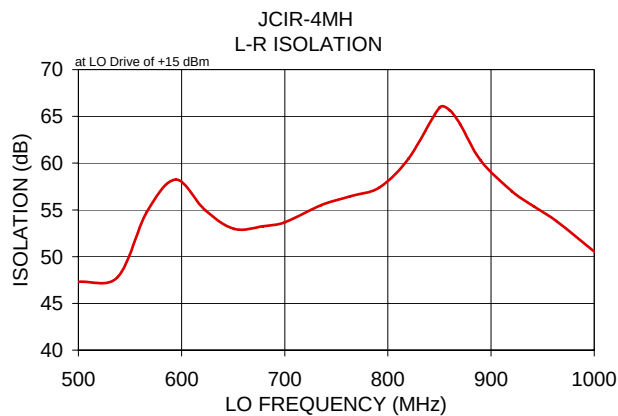
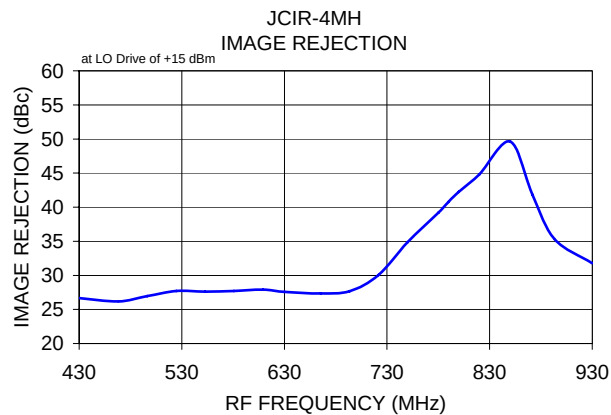
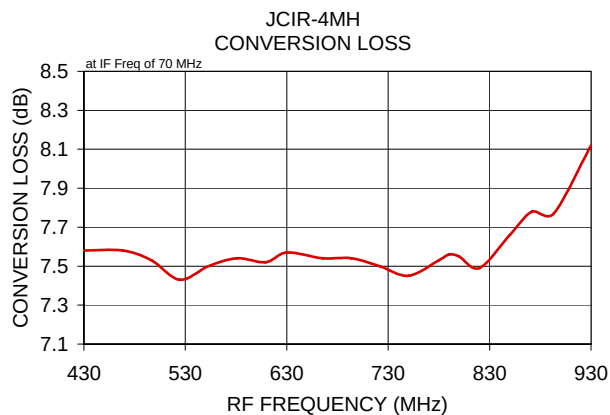
For detailed performance specs
& shopping online see web site

REV. B
M102713
JCIR-4MH
EDR-4121
RVN/TD/CP
121107
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Performance Charts

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IF/RF MICROWAVE COMPONENTS

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