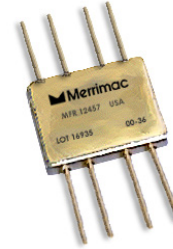


DMF-2A-2000 SQ – DOUBLE BALANCED MIXER

TECHNICAL FEATURE

Features

- Space Qualified
- Wide Band
- Hi-Rel Flatpack



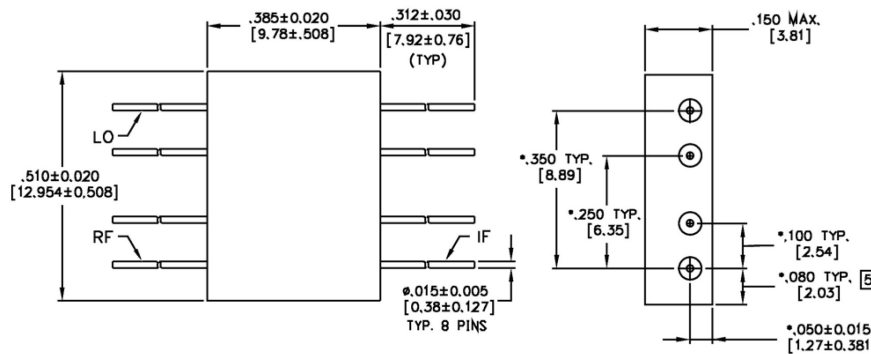
Performance

LO/RF Bandwidth.....	1000 – 3000 MHz
IF Bandwidth.....	DC-1000
Isolation L-R.....	20
Isolation L-X.....	20
Conversion Loss.....	8 dB Typ., 9.5 dB Max.
LO Power Level.....	+7 dBm
RF Power Level.....	0 dBm
Input Intercept.....	+10 dB min.
Impedance.....	50 Ohm nom.
Weight.....	3g max.
Operating Temperature.....	-55° to +85°C

Description

The DMF-2A-2000 SQ is a broadband, high reliability mixer utilizing a 4 diode ring configuration. This has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices."

Package Outline



NOTES:

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. TOLERANCE ON 3 PLACE DECIMALS ±.010 [.25mm] EXCEPT AS NOTED. 2. MAX. IS LARGEST DIMENSION ALLOWED. 3. DIMENSIONS = INCHES [mm] 4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm. | <ol style="list-style-type: none"> 5. ALL LEADS TO BE WITHIN ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION. 6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY 7. ALL UNMARKED PINS ARE CASE GROUND. |
|--|---|

Crane Electronics, Inc.

Microwave Solutions

41 Fairfield Place • West Caldwell, NJ 07006

phone: 973-575-1300 ext. 1309 • email: electronics@crane-eg.com • www.craneae.com/mw

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