

DOUBLE BALANCED MIXER - DMF-2A-2000 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- Wideband
- Hi-Rel Flatpack



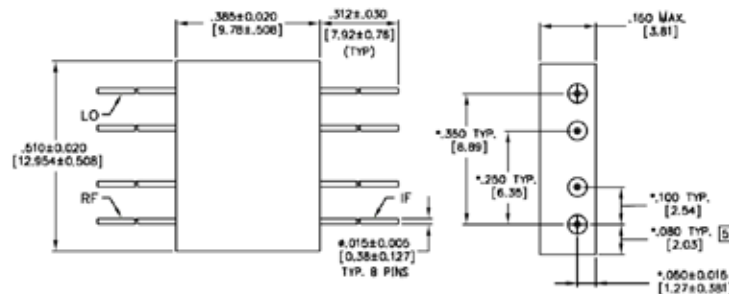
PERFORMANCE

LO/RF Bandwidth	1000 - 3000 MHz
IF Bandwidth	DC - 1000 MHz
Isolation	20 L-R, 20 L-X dB min.
Conversion Loss.....	8 dB typ., 9.5 dB max.
LO Power Level.....	+7 dBm
RF Power Level.....	0 dBm max.
Input Intercept	+10 dBm min.
Impedance.....	50 Ohm nom.
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:

1. TOLERANCE ON 3 PLACE DECIMALS $\pm .010$ [.25mm] EXCEPT AS NOTED.
2. MAX. EG. LARGEST DIMENSION ALLOWED.
3. DIMENSIONS = INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.
5. ALL LEADS TO BE WITHIN $\pm .010$ [.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY
7. ALL UNMARKED PINS ARE CASE GROUND.

