

DOUBLE BALANCED MIXER - DMF-2A-1700 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- Wideband
- Hi-Rel Flatpack



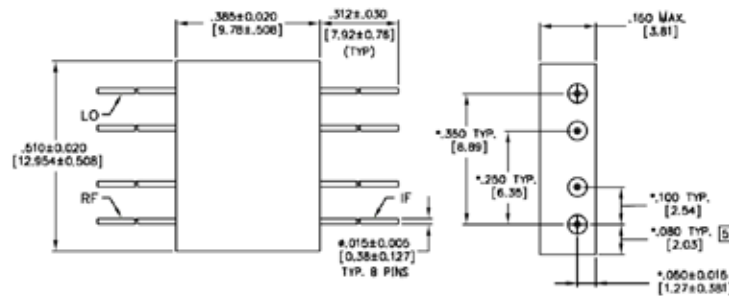
PERFORMANCE

| | |
|-----------------------------|--------------------------------|
| LO/RF Bandwidth | 500 - 2500 MHz |
| IF Bandwidth | DC - 1000 MHz |
| Isolation | 30 L-R, 20 L-X, 15 R-X dB min. |
| Conversion Loss..... | 8 dB typ., 9 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-1700 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 ±.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 ±.010 [.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY
7. ALL UNMARKED PINS ARE CASE GROUND.