



DMF-2A-1700 SQ DOUBLE BALANCED MIXER

REV: 003, 02/08/01

- SPACE QUALIFIED
- WIDEBAND
- HI-REL FLATPACK



TECHNICAL DESCRIPTION / APPLICATION

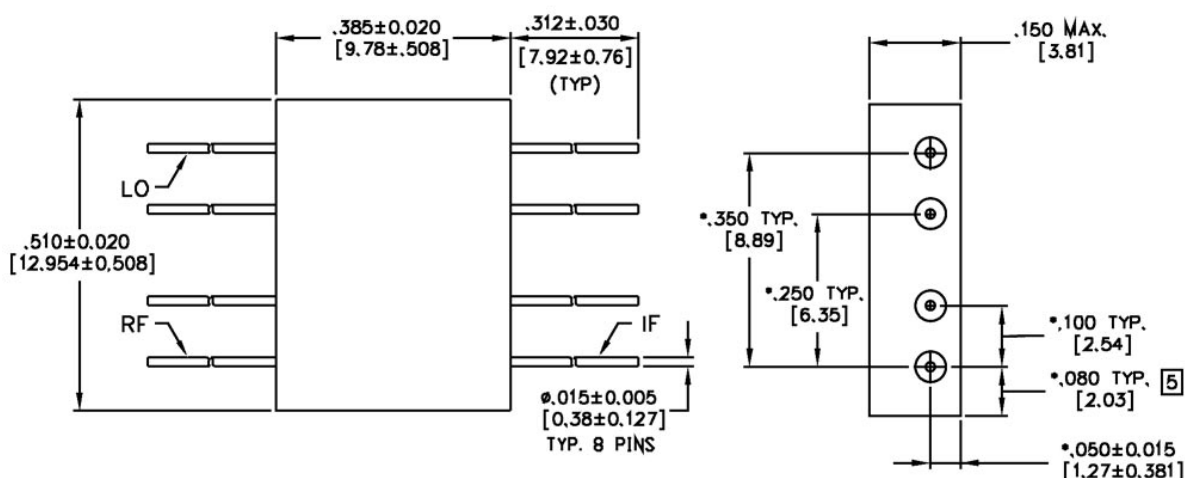
The DMF-2A-1700 SQ is a broadband, high reliability mixer utilizing a 4 diode ring configuration. This has been designed, manufactured and qualified per Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

SERIES 05

GENERAL SPECIFICATIONS

MODEL NUMBER	LO/RF BANDWIDTH	IF BANDWIDTH	ISOLATION			CONVERSION LOSS		LO POWER LEVEL
	MHz		L-R	L-X	R-X	TYP.	MAX.	
DMF-2A-1700 SQ	500 - 2500	DC - 1000	30	20	15	8 dB	9 dB	+7
RF POWER LEVEL		INPUT INTERCEPT	IMPEDANCE			WEIGHT	OPERATING TEMPERATURE	
dBm MAX			NOM.			MAX.		
0			50 OHM			3g	-55° TO + 85° C	

PACKAGE OUTLINE



NOTES:

1. TOLERANCE ON 3 PLACE DECIMALS $\pm .010$ [.25mm] EXCEPT AS NOTED.
2. MAX. IS 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.