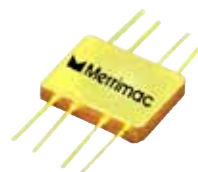


0° DIVIDERS/COMBINERS - PDF-2A-1000 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 100 - 2000 MHz
- 2 Way Flatpack



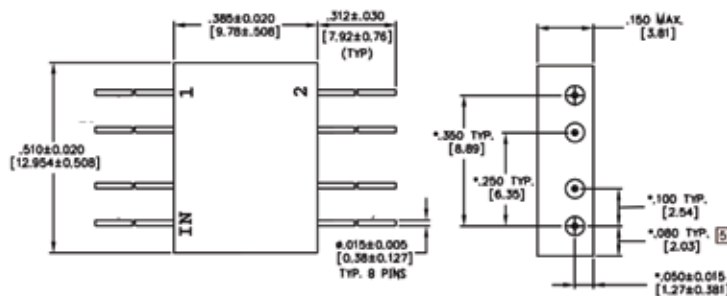
PERFORMANCE

Frequency Range.....	100 - 2000 MHz
Isolation.....	15 min., 20 typ. dB
Insertion Loss.....	1.8 max., 1.0 typ. dB
Amplitude Balance.....	0.5 max., 0.25 typ. dB
Phase Balance.....	5° max., 3° typ.
VSWR Input/Output.....	1.6:1 max., 1.3:1 typ.
Input Power.....	1 W max.
Coupling.....	3.0 dB nom.
Impedance.....	50 Ohm nom.
Internal Power Dissipation.....	50 mW max.
Operating Temperature.....	-55° to +85° C

DESCRIPTION

The PDF-2A-1000 SQ 2 way power divider/combiner covers a frequency range of 100 to 2000 MHz using a special lumped element design to reduce the size while maintaining high performance. This device has been designed in accordance with 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. IS 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.

