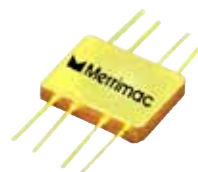


0° DIVIDERS/COMBINERS - PDF-2A-250 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 10 - 500 MHz
- 2 Way Flatpack



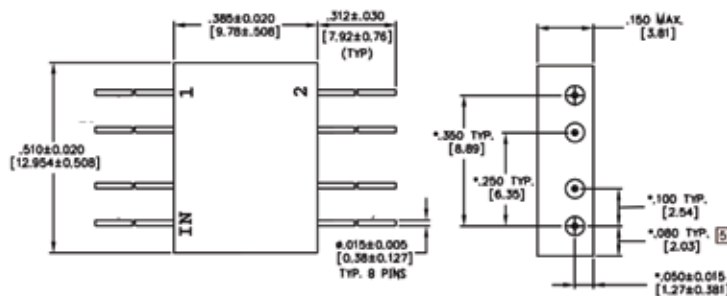
PERFORMANCE

Frequency Range.....	10 - 500 MHz
Isolation.....	25 min., 30 typ. dB
Insertion Loss.....	0.7 max., 0.5 typ. dB
Amplitude Balance.....	0.2 max., 0.1 typ. dB
Phase Balance.....	2° max., 1° typ.
VSWR Input/Output.....	1.3:1 max., 1.2:1 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-250 SQ 2 way power divider/combiner covers a frequency range of 10 to 500 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.

