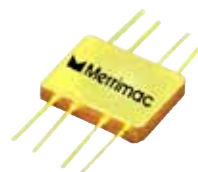


0° DIVIDERS/COMBINERS - PDF-2A-250 SQ

TECHNICAL FEATURE

FEATURES

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



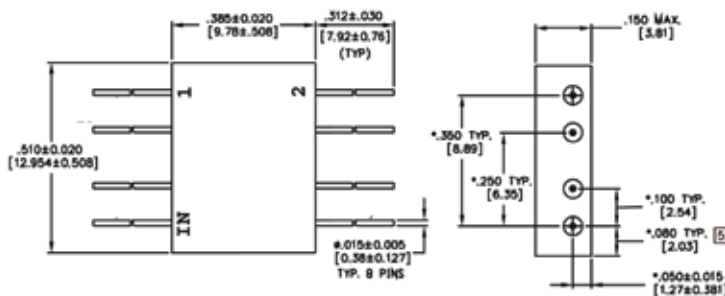
PERFORMANCE

| | |
|---------------------------------|------------------------|
| 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.

