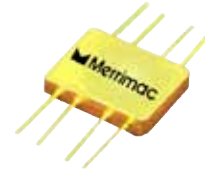


0° DIVIDERS/COMBINERS - PDF-2A-50 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 1 - 100 MHz
- 2 Way Flatpack



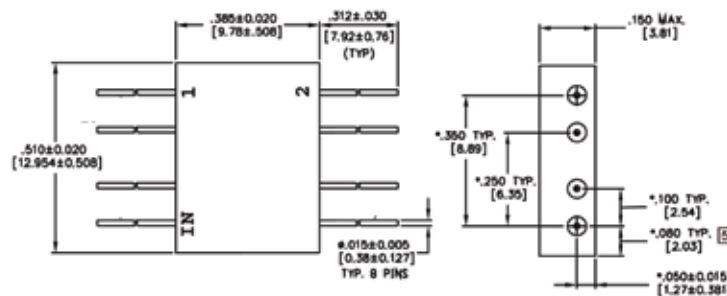
PERFORMANCE

Frequency Range	1 - 100 MHz
Isolation	30 min., 35 typ. dB
Insertion Loss	0.7 max., 0.5 typ. dB
Amplitude Balance	0.15 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-50 SQ 2 way power divider/combiner covers a frequency range of 1 to 100 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 ± 0.010 [0.25mm] EXCEPT AS NOTED.
2. MAX. IS LARGEST DIMENSION ALLOWED.
3. DIMENSIONS $\pm$ INCHES [mm]
4. METRIC EQUIVALENTS ARE TO THE NEAREST 0.01mm.
5. ALL LEADS TO BE WITHIN ± 0.010 [0.25mm] OF EACH OTHER AT THIS DIMENSION.
6. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY
7. ALL UNMARKED PINS ARE CASE GROUND.