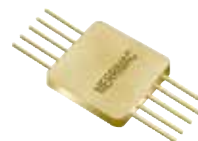


0° DIVIDERS/COMBINERS - PDF-3C-500 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 25 - 1000 MHz
- 3 Way Flatpack



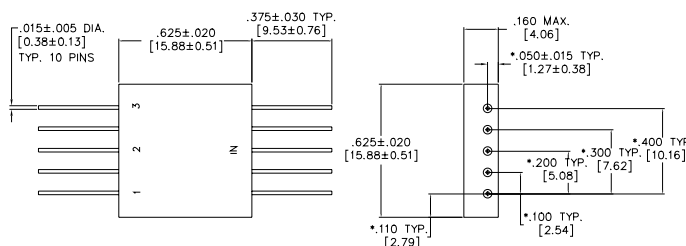
PERFORMANCE

Frequency Range.....	25 - 1000 MHz
Isolation.....	22 min., 28 typ. dB
Insertion Loss.....	1.2 max., 0.5 typ. dB
Amplitude Balance.....	0.4 max., 0.2 typ. dB
Phase Balance.....	5° max., 3° typ.
VSWR Input/Output.....	1.3:1 max., 1.15:1 typ.
Input Power.....	1 W max.
Coupling.....	4.8 dB nom.
Impedance.....	50 Ohm nom.
Internal Power Dissipation.....	50 mW max.
Operating Temperature.....	-55° to +85° C

DESCRIPTION

The PDF-3C-500 SQ 3 way power divider/combiner covers a frequency range of 25 to 1000 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. ALL UNMARKED PINS ARE CASE GROUND.
 3. DIMENSIONS=INCHES [mm]
 4. DIMENSIONS MARKED WITH * APPLY ONLY AT BODY.
 5. METRIC EQUIVALENTS ARE TO THE NEAREST .01mm.

