

# 0° DIVIDERS/COMBINERS - PDF-4E-250 SQ

## TECHNICAL FEATURE

### FEATURES

- Space Qualified
- 10 - 500 MHz
- 4 Way Flatpack
- Hi-Rel Flatpack



### PERFORMANCE

Frequency Range.....	10 - 500 MHz
Isolation.....	25 min., 28 typ. dB
Insertion Loss.....	1.2 max., 1.0 typ. dB
Amplitude Balance.....	0.2 max., 0.1 typ. dB
Phase Balance.....	3° max., 2° typ.
VSWR Input/Output.....	1.3:1 max., 1.2:1 typ.
Input Power.....	1 W max.
Coupling.....	-6 dB nom.
Impedance.....	50 Ohm nom.
Internal Power Dissipation.....	50 mW max.
Operating Temperature.....	-55° to +85° C

### DESCRIPTION

The PDF-4E-250 SQ is a wideband, lumped element, 4 way power divider, covering 10 - 500 MHz. Its toroidal transformer design yields high performance with small size and weight. Parts, materials and processes in accordance with Merrimac document CENG-0001, "Standard Design Requirements for Space Qualified Devices".

## PACKAGE OUTLINE

