

# 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

