

0° DIVIDERS/COMBINERS - PDF-4E-1300 SQ

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 100 - 2000 MHz
- 4 Way Flatpack
- Hi-Rel Flatpack



PERFORMANCE

| | |
|----------------------------------|------------------------|
| Frequency Range | 100 - 2000 MHz |
| Isolation | 20 min., 23 typ. dB |
| Insertion Loss | 2.5 max., 2.0 typ. dB |
| Amplitude Balance | 0.5 max., 0.4 typ. dB |
| Phase Balance | 5° max., 3° typ. |
| VSWR Input/Output | 1.6:1 max., 1.5:1 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-1300 SQ is a wideband, lumped element, 4 way power divider, covering 100-2000 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

