

TECHNICAL FEATURE

FEATURES

- Space Qualified
- 10 -100 MHz
- 5 - way SMK

PRINCIPAL SPECIFICATIONS

| Model Number | Frequency Range MHz | Isolation Min. | Insertion Loss dB Max. | Amplitude Balance dB Max. | VSWR, Max. Input / Output | Phase Balance | Coupling Loss dB Nom. | CW Input with Load VSWR 1.2:1 |
|--------------|---------------------|----------------|------------------------|---------------------------|---------------------------|---------------|-----------------------|-------------------------------|
| PDK-50-50 SQ | 10 - 100 | 25 | 0.9 | 0.4 | 1.30:1 | ±3° | 7.0 | 1 W |

GENERAL NOTES

The PDK-50-50 SQ 5-way In-phase Power Divider/Combiner covers 10 - 100 MHz. It uses a low profile in line design which provides high isolation and low VSWR. This unit has been designed, manufactured and qualified per Merrimac document CENG-001, "Standard Design Requirements for Space Qualified Devices".

GENERAL SPECIFICATIONS

Size1.75"x2.4"x0.42"
 Weight, max..... 120 g max.
 Impedance 50 Ω nom.
 Operating Temperature..... -55° to +85° C

PACKAGE OUTLINE

