

PDK-25R SERIES – 0° POWER DIVIDERS/COMBINERS

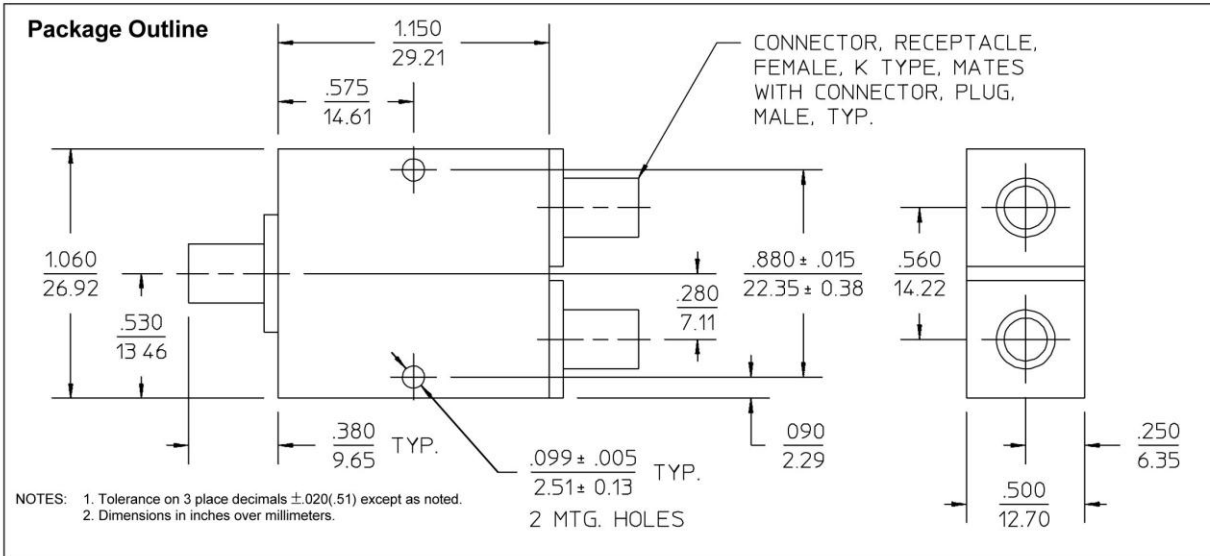
TECHNICAL FEATURE

FEATURES

- 6 to 40 GHz
- 2-way
- Ultra-Wideband
- Uniform Phase & Amplitude Balance
- High Isolation and Low Loss
- K-Connector

PRINCIPAL SPECIFICATIONS

| Model Number | Freq. Range, GHz | Isolation, dB, Min. | Insertion Loss, dB, Max. | Phase Bal. Max. | Ampl. Bal., dB, Max. | Max. VSWR @ | | CW Input Power with VSWR _{out} | | Weight Nom., oz (g) |
|--------------|------------------|---------------------|--------------------------|-----------------|----------------------|-------------|--------|---|-----|---------------------|
| | | | | | | Input | Output | 1.2:1 | ∞ | |
| PDK-25R-23G | 6.0 - 40.0 | 14 | 2.5 | 14° | 0.9 | 2.0:1 | 2.0:1 | 30 W | 1 W | 1.6 (45) |
| PDK-25R-25G | 10.0 - 40.0 | 14 | 2.0 | 13° | 0.9 | 2.0:1 | 2.0:1 | 30 W | 1 W | 1.6 (45) |



General Notes:

1. The PDK-25R series of 2-way In-Phase Power Dividers/Combiners cover 6 to 40 GHz. Each uses an original wideband design providing high isolation and low VSWR across a very wide frequency range.
2. Etched PTFE fiberglass stripline circuits are encased in a miniature machined housing that minimizes moding and provides an effective RF shield.

GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.
 Operating Temperature: -55° to $+85^{\circ}$ C
 Compliant with MIL-Specs:
 MIL-P-23971
 MIL-E-5400
 MIL-E-16400

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