

PDK-45R SERIES – 0° POWER DIVIDERS/COMBINERS

TECHNICAL FEATURE

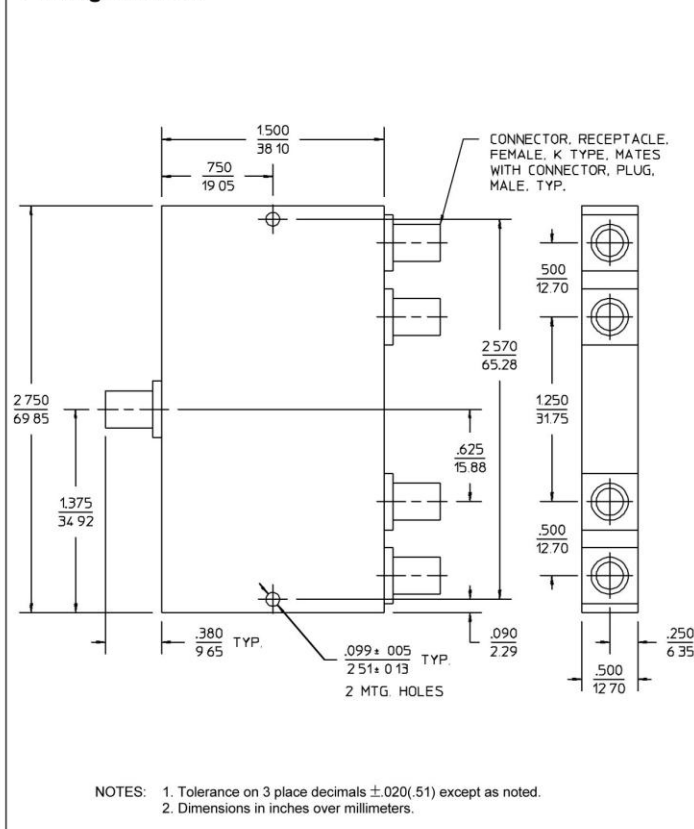
FEATURES

- 6 to 40 GHz
- 4-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.	Amplitude Balance, dB, Max.	Max.VSWR @ Input	Max.VSWR @ Output	CW Input with VSWR _{out} 1.2:1	∞	Weight Nom., oz. (g)
PDK-45R-23G	6.0 - 40.0	14	2.9	10°	1.0	2.0:1	2.0:1	30 W	1 W	2.5 (70)
PDK-45R-29G	18.0 - 40.0	14	2.5	10°	1.0	2.0:1	2.0:1	30 W	1 W	2.5 (70)

Package Outline



GENERAL SPECIFICATIONS

Impedance: 50 Ω nom.
Operating Temperature: -55° to +85°C

General Notes:

1. The PDK-45R series of 4-way In-Phase Power Dividers/Combiners covers multi-octave frequency bands from 6 to 40 GHz. All use an original wideband stripline circuit design providing high isolation and low VSWR over broad operating bands.
2. Each is encased in a miniature machined housing that provides an effective RF shield.
3. Connectors are K-type to provide an excellent interface match beyond 40 GHz.
4. These units are generally available from stock for fast delivery.

29Apr96

Crane Aerospace & Electronics

Microwave Solutions – Merrimac Industries
41 Fairfield Place, West Caldwell, NJ 07006
+ 1.973.575.1300 ext. 1309 • mw@crane-eg.com
www.craneae.com/mw

PDK45R.doc. This revision supersedes all previous releases. All technical information is believed to be accurate, but no responsibility is assumed for errors.
We reserve the right to make changes in products or specifications without notice. Copyright © 2013 Crane Electronics, Inc. All rights reserved.

