

# 0° Power Divider / Combiner PDK-45R SERIES

Microwave Solutions

## **TECHNICAL FEATURE**

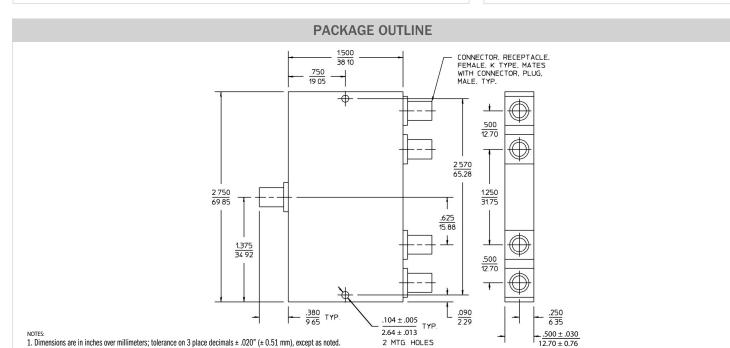
## **FEATURES**

- 6 40 GHz
- Uniform Phase & Amplitude Balance
- 4 Way
- High Isolation & Low Loss
- Ultra-Wideband
- K-Connector

	PRINCIPAL SPECIFICATIONS										
	Model Ra	Frequency Range	lsolation dB Min.	Insertion Loss, dB Max.	Phase Balance Max.	Amplitude Balance dB Max.	VSWR Max.		CW Input, W, Load VSWR out		Weight Nom.
		GHz					In	Out	1.2:1	$\sim$	oz (g)
	PDK-45R-23G	6.0 - 40.0	14	2.9	10°	1.0	2.0:1	2.0:1	30W	1 W	4.4 (125)
	PDK-45R-29G	18.0 - 40.0	14	2.5	10°	1.0	2.0:1	2.0:1	30W	1 W	4.4 (125)

#### **GENERAL NOTES**

- The PDK-45R series of 4-way In-Phase Power Divider/Combiners covers 6-40 GHz. Each uses an original wideband stripline design providing high isolation and low VSWR over broad operating bands.
- 2. Each are 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.



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+ 1 973-575-1300, 191309 info@craneae.com www.craneae.com Page 1 of 1 PDK-45R Series Rev. 2, 11/02/2022

DS\_Power Divider\_PDK45R\_11022022.indd. 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 © 2022 Crane Electronics, Inc. All rights reserved.

#### PERFORMANCE NOTES

Impedance
Operating Temperature55° to +85° C