

### TECHNICAL FEATURE

#### FEATURES

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

#### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range GHz	Isolation dB Min.	Insertion Loss, dB Max.	Phase Balance Max.	Amplitude Balance dB Max.	VSWR Max.		CW Input, W, Load VSWR out		Weight Nom. oz (g)
						In	Out	1.2:1	∞	
PDK-25R-23G	6.0 - 40.0	14	2.5	14°	0.9	2.0:1	2.0:1	30W	1 W	1.6 (45)
PDK-25R-25G	10.0 - 40.0	14	2.0	13°	0.9	2.0:1	2.0:1	30W	1 W	1.6 (45)

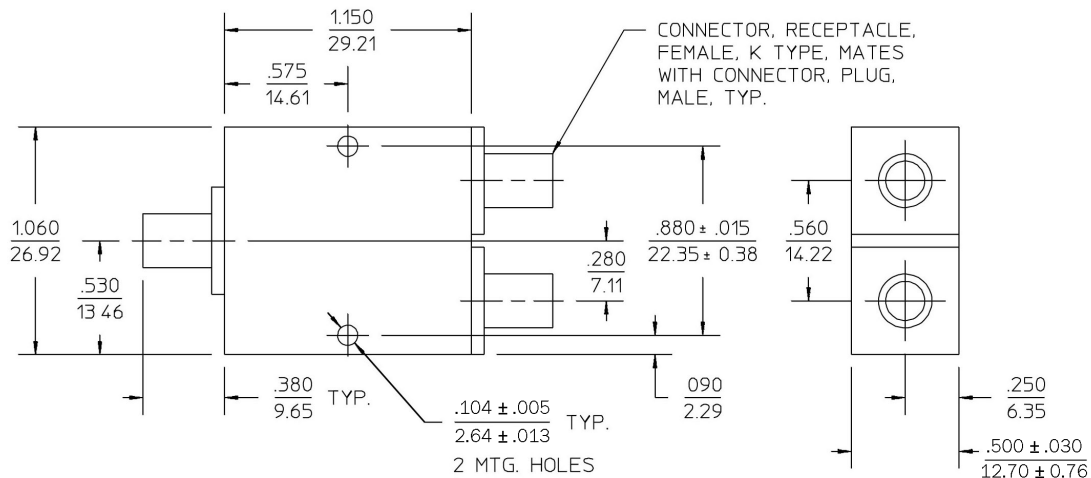
#### GENERAL NOTES

1. The PDK-25R series of 2-way In-Phase Power Divider/Combiner cover 6-40 GHz. Each uses an original wideband stripline design providing high isolation and low VSWR across a very wide frequency.
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.

#### PERFORMANCE NOTES

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

#### PACKAGE OUTLINE



NOTES:  
 1. Dimensions are in inches over millimeters; tolerance on 3 place decimals ± .020" (± 0.51 mm), except as noted.