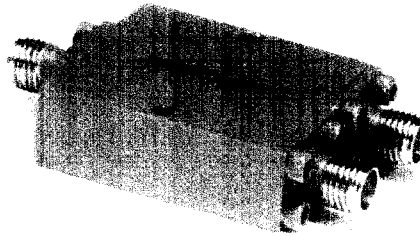


PDK-25R Series

POWER DIVIDERS / COMBINERS

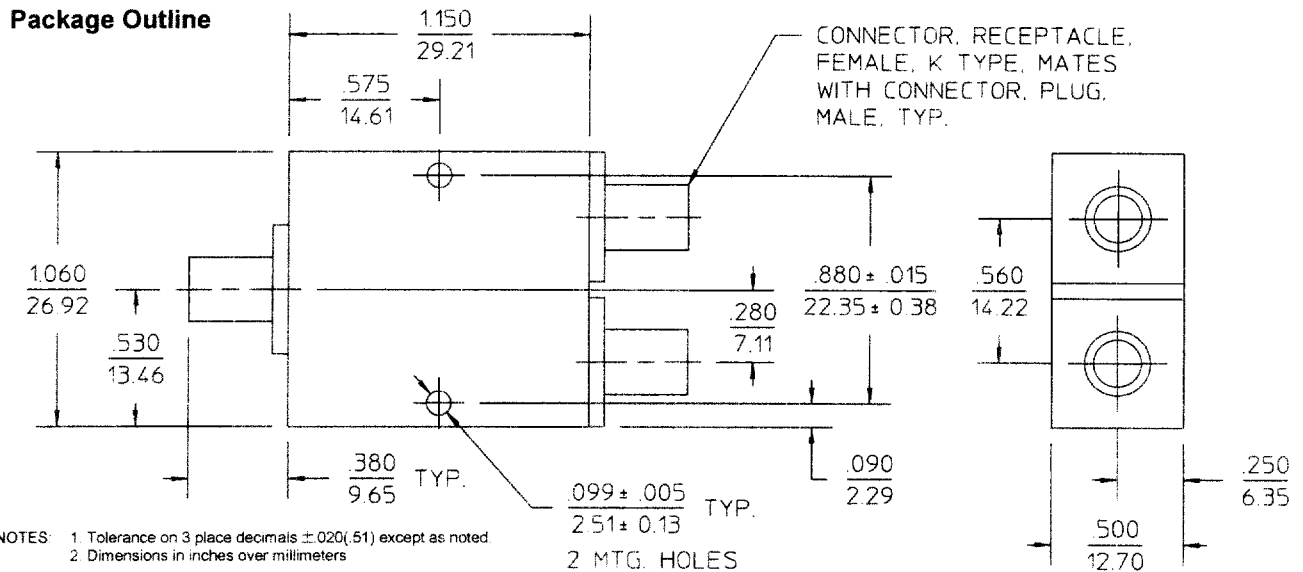
6 to 40 GHz / 2-Way / Ultra-Wideband / Uniform Phase & Ampl. Bal. / High Isol. & Low Loss / K-Conn.



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)

Package Outline



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.
3. These units comply with MIL-P-23971 and can be screened for compliance with additional specifications for military and space applications requiring the highest reliability.

GENERAL SPECIFICATIONS

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