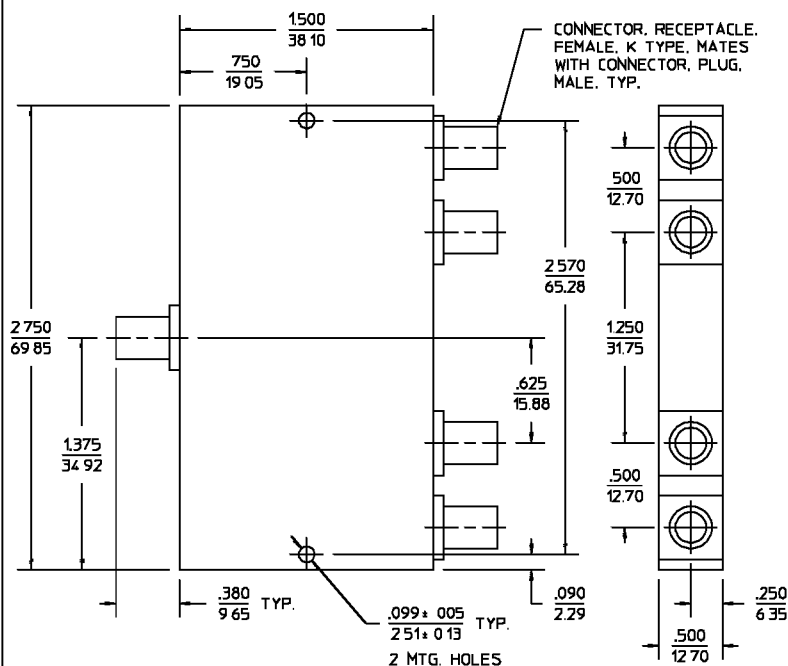


PRINCIPAL SPECIFICATIONS

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	CW Input with VSWR _{out} ∞	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



NOTES: 1. Tolerance on 3 place decimals ±.020(.51) except as noted.
2. Dimensions in inches over millimeters.

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

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