

# HJM-4R-G SERIES – 0°/180° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

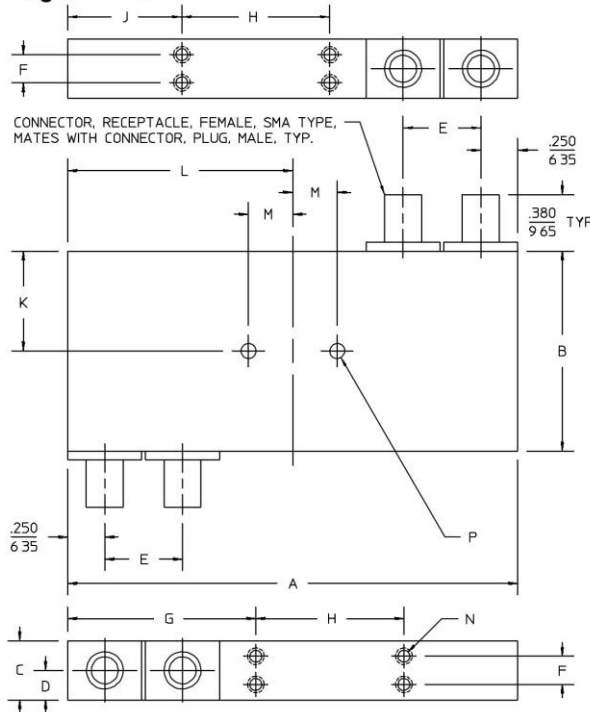
### FEATURES

- 1 to 26.5 GHz
- Ultra-Wideband
- High Isolation
- Low Insertion Loss
- Stripline Circuits
- SMA

### PRINCIPAL SPECIFICATIONS

Model Number	Frequency Range, GHz	Isolation, dB, Min.	Amplitude Balance, dB, Max.	Phase, 0°/180°, Max.	Insertion Loss, dB, Max.	VSWR, All Ports, Max.	Outline Drawing Reference
HJM-4R-6.5G	1.0 - 12.4	17	0.8	± 10°	2.3	1.60:1	1
HJM-4R-16G	6.0 - 26.5	14	1.4	± 12°	1.4	1.70:1	3

### Package Outline



- NOTES: 1. Tolerance on 3 place decimals ±.020(.51) except as noted.  
 2. Dimensions in inches over millimeters.  
 3. Connectors meet interface requirements of MIL-C-39012.  
 4. Weights are nominal on all outlines.

### GENERAL SPECIFICATIONS

Coupling:	– 3 dB nom.
Impedance:	50 Ω nom.
CW Input:	1W max.
Operating Temperature:	– 55° to +85°C

### General Notes:

1. The HJM-4R-G series covers 1 to 26.5 GHz in multi-octave ranges. To achieve these broad bandwidths, special multi-section stripline designs have been developed. These designs feature high isolation and low loss. Applications include amplifier designs, EW systems, beamformers and wideband surveillance receivers.

2. All units comply with MIL-P-23971 and can be supplied screened for compliance with additional specifications for military and aerospace applications requiring the highest reliability.

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## PACKAGE OUTLINE

### Package Outline Drawing Dimensions

OUTLINE	A	B	C	D	E	F	G	H	J	K
1	$\frac{5.900}{149.86}$	$\frac{1.750}{44.45}$	$\frac{.520}{13.21}$	$\frac{.260}{6.60}$	$\frac{.525}{13.34}$	$\frac{.300}{7.62}$	$\frac{1.700}{43.18}$	$\frac{2.500}{63.50}$	$\frac{1.700}{43.18}$	—
2	$\frac{3.040}{77.22}$	$\frac{1.350}{34.29}$	$\frac{.400}{10.16}$	$\frac{.200}{5.08}$	$\frac{.525}{13.34}$	$\frac{.230}{5.84}$	$\frac{1.500}{38.10}$	$\frac{.900}{22.86}$	$\frac{.640}{16.26}$	—
3	$\frac{1.760}{44.70}$	$\frac{1.500}{38.10}$	$\frac{.400}{10.16}$	$\frac{.200}{5.08}$	$\frac{.600}{15.24}$	—	—	—	—	$\frac{.750}{19.05}$

OUTLINE	L	M	N	P	WT. OZ. (G)
1	—	—	#4-40 UNC-2B X .250 (6.35) DEEP 8 HOLES	—	8 (227)
2	—	—	#4-40 UNC-2B X .250 (6.35) DEEP 8 HOLES	—	5 (142)
3	$\frac{.880}{22.35}$	$\frac{.289}{7.34}$	—	.099/.104 (2.51/2.64) DIA. THRU 2 HOLES	2.5 (71)