

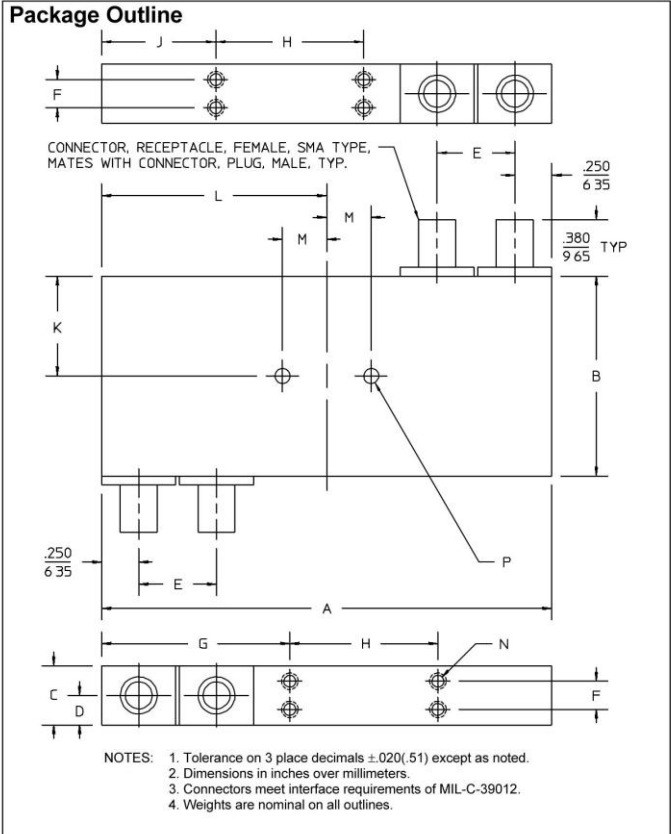
HJM-4R-G SERIES – 0°/180° POWER DIVIDERS/COMBINERS

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



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.

24May96

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

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)