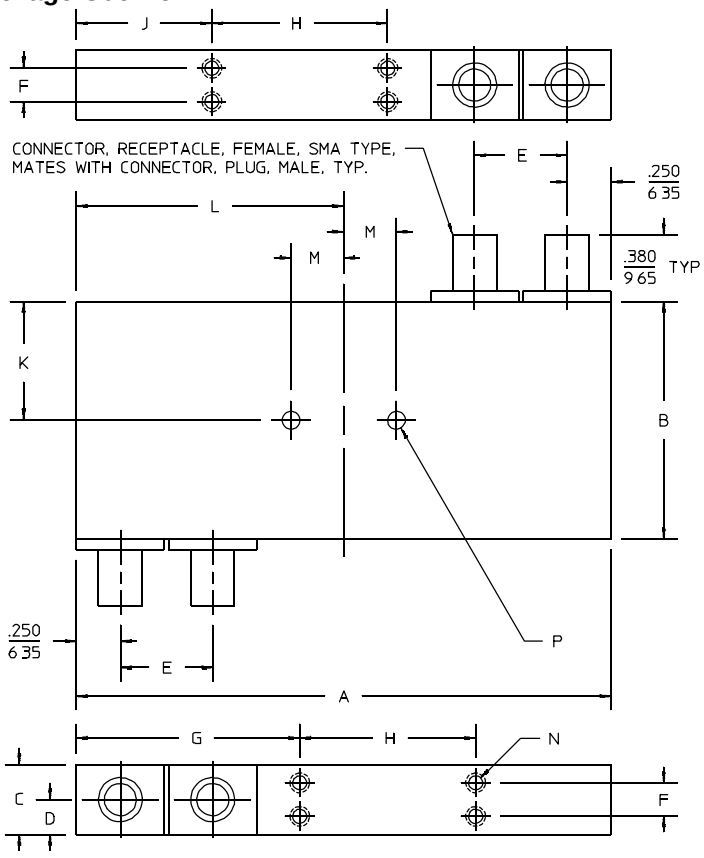
HJM-4R-G Series 0°/180°POWER DIVIDERS/COMBINERS

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-9.5G	1.0 - 18.0	15	1.2	± 14°	2.9	1.70:1	1
HJM-4R-10G	2.0 - 18.0	15	1.2	± 12°	2.0	1.70:1	2
HJM-4R-14G	2.0 - 26.5	14	1.6	± 14°	2.5	1.70:1	2
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.

24May96

For further information contact ***MERRIMAC / 41 Fairfield Pl., West Caldwell, NJ, 07006 / 973-575-1300 / FAX 973-575-0531***

Package Outline Drawing Dimensions

OUTLINE	A	B	C	D	E	F	G	H	J	K
1	5.900 149.86	1.750 44.45	.520 13.21	.260 6.60	.525 13.34	.300 7.62	1.700 43.18	2.500 63.50	1.700 43.18	—
2	3.040 77.22	1.350 34.29	.400 10.16	.200 5.08	.525 13.34	.230 5.84	1.500 38.10	.900 22.86	.640 16.26	—
3	1.760 44.70	1.500 38.10	.400 10.16	.200 5.08	.600 15.24	—	—	—	—	.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	.880 22.35	.289 7.34	—	.099/.104 (2.51/2.64) DIA. THRU 2 HOLES	2.5 (71)

20Jan96