COUPLERS, HYBRID 3 DB 0°/180° SERIES MH

WITH SMA OR N CONNECTORS 0.2–12.4 GHz

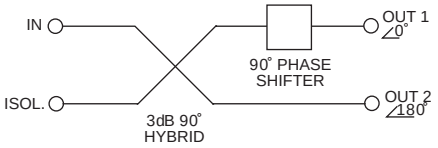
GENERAL SPECIFICATIONS

Frequency Range:	0.20 to 12.4 GHz
RF Impedance:	50 OHMS
Temperature Information:	Operating temperature from –55 °C to +85 °C.
Connectors:	SMA or N



MECHANICAL OUTLINES

Out-line	A in [mm]	B in [mm]	C in [mm]	D in [mm]	E in [mm]	F in mm	G in [mm]
1	4.00 [10,2]	3.00 [7,6]	0.20 [5,1]	2.600 [66,04]	3.80 [96,5]	0.25 [6,4]	0.25 [6,4]
2	3.25 [82,55]	1.70 [43,18]	0.20 [5,1]	1.300 [33,02]	3.050 [77,47]	0.40 [10,2]	0.28 [7,11]
3	1.55 [39,37]	1.70 [43,18]	0.20 [5,1]	1.300 [33,02]	1.350 [34,29]	0.25 [6,4]	0.38 [9,65]
4	2.00 [50,8]	1.70 [43,18]	0.20 [5,1]	1.300 [33,02]	1.800 [45,7]	0.38 [9,65]	0.25 [6,4]
5	1.25 [31,75]	1.70 [43,18]	0.20 [5,1]	1.300 [33,02]	1.050 [26,67]	0.25 [6,4]	0.25 [6,4]
6	1.00 [25,4]	1.10 [27,94]	0.55 [13,97]	N/A 2 HOLES	0.800 [20,3]	0.25 [6,4]	0.25 [6,4]
7	4.50 [114,3]	3.00 [76,2]	2.750 [69,91]	0.50 [12,7]	0.50 [12,7]	—	—
8	3.70 [93,98]	1.70 [43,18]	1.450 [36,8]	0.63 [16,0]	0.50 [12,7]	—	—
9	2.05 [52,07]	1.70 [43,18]	1.450 [36,8]	0.50 [12,7]	0.63 [16,0]	—	—
10	2.50 [63,5]	1.70 [43,18]	1.450 [36,8]	0.63 [16,0]	0.50 [12,7]	—	—
11	2.00 [50,8]	1.50 [38,1]	1.250 [31,75]	0.50 [12,7]	0.50 [12,7]	—	—
12	2.00 [50,8]	1.00 [25,4]	0.750 [19,1]	0.50 [12,7]	0.50 [12,7]	—	—
13	2.00 [50,8]	2.50 [63,5]	2.250 [57,15]	0.50 [12,7]	0.50 [12,7]	—	—



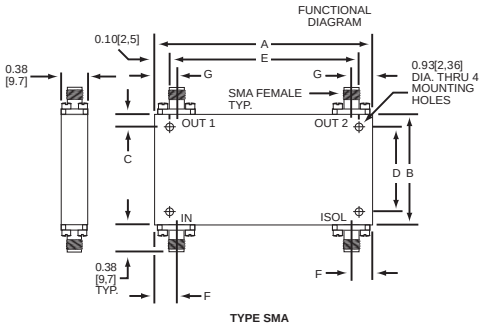


Figure 1

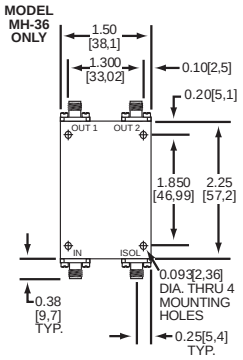


Figure 2

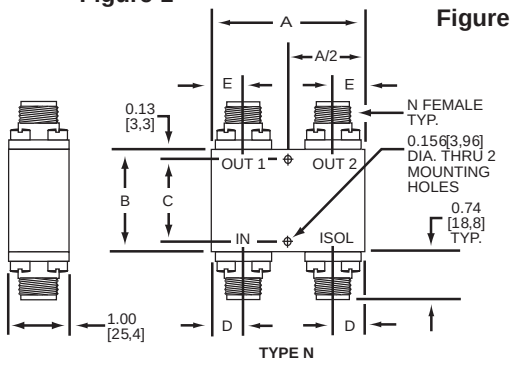


Figure 3

ELECTRICAL PERFORMANCE

SMA Model No.	Type N Model No.	Frequency Range GHz	Nominal Coupling dB	Maximum Dev. From Nominal Coupling dB	Maximum Insertion Loss dB	Minimum* Isolation dB	Maximum VSWR	Minimum Power** Capability Peak kW	Minimum Power** Capability Avg. Watts	Phase Balance Deg	Outline SMA Fig. 1	Outline N Fig. 3
MH-22	MH-22N	0.20–0.40	3.0 +0.25/–0	±0.50	0.25	20	1.30	8	60	±4.0	1	7
MH-24	MH-24N	0.25–0.50	3.0 +0.25/–0	±0.50	0.25	20	1.30	8	60	±4.0	1	7
MH-29	MH-29N	0.50–1.00	3.0 +0.25/–0	±0.50	0.25	20	1.30	8	60	±4.0	2	8
MH-33	MH-33N	1.00–2.00	3.0 +0.30/–0	±0.50	0.30	18	1.30	7	60	±4.0	4	10
MH-36	MH-36N	1.50–3.00	3.0 +0.30/–0	±0.50	0.30	18	1.30	6	60	±4.0	See Fig. 2	13
MH-39	MH-39N	2.00–4.00	3.0 +0.30/–0	±0.55	0.30	18	1.35	5	50	±4.0	3	9
MH-42	MH-42N	2.60–5.20	3.0 +0.35/–0	±0.55	0.35	17	1.40	5	50	±4.0	5	11
MH-46	MH-46N	4.00–8.00	3.0 +0.35/–0	±0.60	0.35	17	1.45	4	40	±4.0	6	12
MH-54	—	7.00–12.40	3.0 +0.45/–0	±0.60	0.45	15	1.50	4	40	±5.0	6	—

*UNIT SWITH TYPE N CONNECTORS Up to 4.0 GHzm ultiply VSWR s by 1.05 and subtract 2.0 dB from isolation Above 4.0 GHzm ultiply VSWR s by 1.10 and subtract 3.0 dB from isolation. **SMA = 3 kW peak

KEY: Inches[Millimeters] .XX ±.03 .XXX ±.010 [.X ±0.8 .XX ±0.25]

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