

3 dB 90°

COUPLERS HYBRID

SMA CONNECTORS

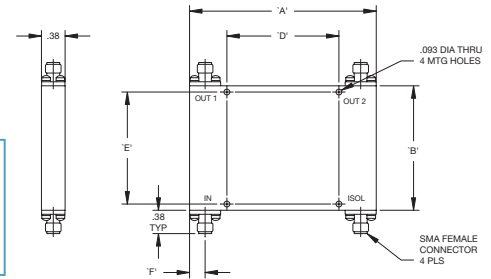
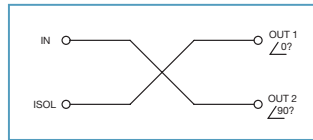
QH SERIES

GENERAL SPECIFICATIONS

RF Impedance 50 Ohms

Temperature Operating from -55° to +85°C

Connectors SMA



Model No.	Frequency Range GHz	Nominal Coupling dB	Max Deviation From Nominal Coupling dB	Max Insertion Loss dB	Min Iso. dB	VSWR Max	Phase Balance Degrees	"A" in	"B" in	"C" in	"D" in	"E" in	"F" in
QH-28	0.5-1.0	3.0 +.15/-0	±.40	0.15	22	1.20	±1.0	2.80	0.50	0.55	1.70	0.30	0.20
QH-31	1.0-2.0	3.0 +.15/-0	±.40	0.15	22	1.20	±2.0	1.65	0.50	0.82	-	0.30	0.20
QH-33	1.5-3.0	3.0 +.20/-0	±.40	0.20	22	1.20	±2.5	1.25	0.50	0.63	-	0.30	0.20
QH-36	2.0-4.0	3.0 +.20/-0	±.45	0.20	22	1.20	±2.5	1.00	0.50	0.50	-	0.30	0.20
QH-43	2.6-5.2	3.0 +.20/-0	±.45	0.20	20	1.25	±3.0	1.00	0.50	0.50	-	0.30	0.20
QH-45	4.0-8.0	3.0 +.25/-0	±.50	0.25	20	1.30	±3.0	0.90	0.50	0.45	-	0.30	0.20
QH-51	7.0-12.4	3.0 +.35/-0	±.50	0.35	17	1.35	±4.0	0.95	0.50	0.48	-	0.30	0.20
QH-57	8.0-16.0	3.0 +.50/-0	±.60	0.50	16	1.45	±5.0	0.95	0.50	0.48	-	0.30	0.20
QH-58	12.0-18.0	3.0 +.50/-0	±.60	0.50	16	1.50	±5.0	0.95	0.50	0.48	-	0.30	0.20

Maximum Peak Power =3KW; Average power =50 Watts



3 dB 180°

COUPLERS HYBRID

SMA CONNECTORS

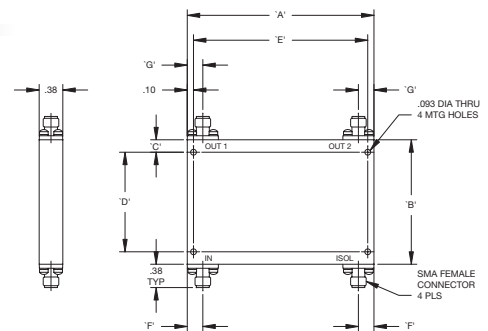
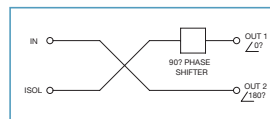
MH SERIES

GENERAL SPECIFICATIONS

RF Impedance 50 Ohms

Temperature Operating from -55° to +85°C

Connectors SMA



Model No.	Frequency Range GHz	Nominal Coupling dB	Max Deviation From Nominal Coupling dB	Max Insertion Loss dB	Min Iso. dB	VSWR Max	Phase Balance Degrees	"A" in	"B" in	"C" in	"D" in	"E" in	"F" in	"G" in
MH-29	0.5-1.0	3.0 +.25/-0	±.50	0.25	20	1.30	±4.0	3.25	1.70	0.20	1.30	3.05	0.40	0.28
MH-33	1.0-2.0	3.0 +.30/-0	±.50	0.30	18	1.30	±4.0	2.00	1.70	0.20	1.30	1.80	0.38	0.25
MH-39	2.0-4.0	3.0 +.30/-0	±.55	0.30	18	1.35	±4.0	1.55	1.70	0.20	1.30	1.35	0.25	0.38
MH-42	2.6-5.2	3.0 +.35/-0	±.55	0.30	18	1.35	±4.0	1.25	1.70	0.20	1.30	1.05	0.25	0.25
MH-46	4.0-8.0	3.0 +.35/-0	±.60	0.35	17	1.45	±4.0	1.00	1.10	0.55	-	0.80	0.25	0.25
MH-54	7.0-12.4	3.0 +.45/-0	±.60	0.45	5	1.50	±5.0	1.00	1.10	0.55	-	0.80	0.25	0.25

Maximum Peak Power =3KW; Average power =50 Watts