QH-88 3dB 90 Degree Hybrid Couplers





Specifications:

Parameter	Specification	Units	
Frequency Range (Min)	8.0 - 18.0	GHz	
Nominal Coupling	3.0 +.50/-0	dB	
Deviation from Nominal Coupling (Max)	±.60	dB	
Insertion Loss (Max)	0.50	dB	
Isolation (Min)	16	dB	
VSWR (Max)	1.50:1	Ratio	
Phase Balence	±5.0	Degrees	

"A"	"B"	"C"	"D"	"E"	"F"	"G"
in.	in.	in.	in.	in.	in.	in.
0.95	0.50	0.48	-	0.30	0.20	-

Screening:

Internal Visual per MIL-STD-883, Method 2017 Temperature Cycle: -65 $^{\circ}$ C to +100 $^{\circ}$ C, 10 cycles

Hermetically-sealed switches are fine and gross leak checked per MIL-STD-883, Method 1014.

Optional High-Rel screening available upon request. Contact the factory to discuss your screening requirements.

Environmental Specifications:

Designed to meet:

MIL-E-5400, MIL-STD-202, MIL-E-16400

Operating Temp: -55°C to +125°C

Storage Temp: -65°C to +150°C

Humidity: MIL-STD-202F, M103, Cond B

Shock: MIL-STD-202F, M213, Cond B

Altitude: MIL-STD-202F, M105, Cond B

Vibration: MIL-STD-202F, M204, Cond B

Thermal Shock: MIL-STD-202F, M107, Cond A

Temperature Cycle: MIL-STD-202F, M105C, Cond D

Mechanical Specifications:

Case Style: OH Outline

Connectors: SMA Female per MIL-C-39012

Connector Control: Micro-D 21 Pin
Bias & Control Pins: Ø0.02" x 0.15" long
Mounting: Ø0.10" through holes

(4) places

Custom Options – Contact the Factory

- Gray epoxy paint per MIL-C-22750
- Video transient suppression
- GPO connectors
- ECL logic input
- · Phase and amplitude tracking
- Other frequency ranges available from 1MHz to 26GHz
- Reversed logic
- Available without SMA connectors for drop-in applications
- High rel screening

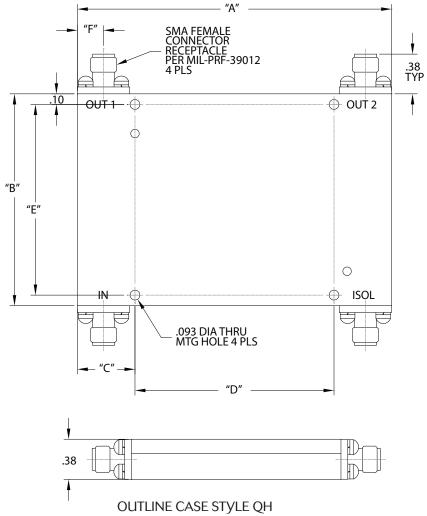


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ISO 9001:2008 certified









Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.