Amtery

Quick Delivery. Reliable Quality. Instant Service

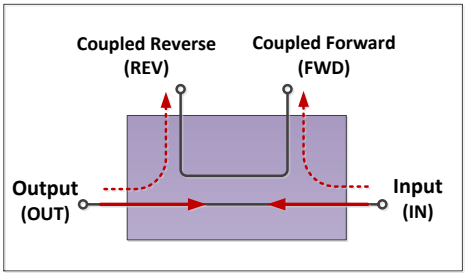
CP20008A-10

Bi-Directional Coupler 0.5 – 8 GHz



RoHS Compliant

Electrical schematic



Electrical Specifications

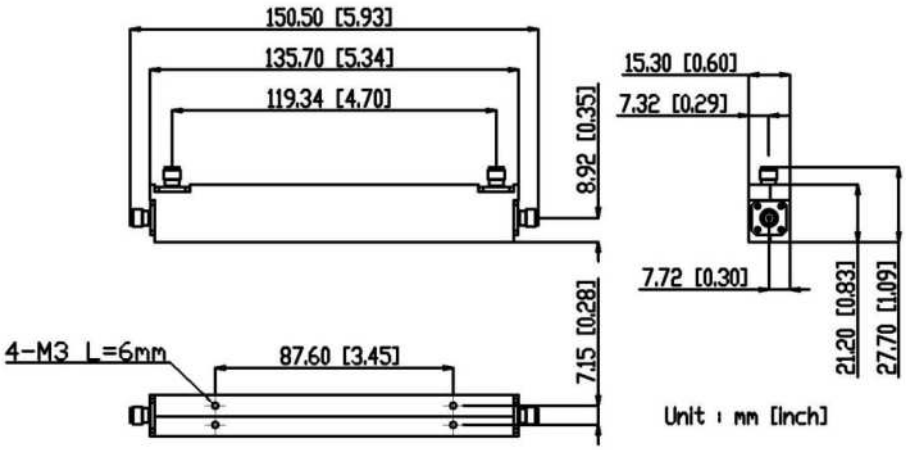
Parameter	Unit	Frequency (GHz)	Min.	Typ.	Max.
Nominal Coupling (Forward Direction)	dB	0.5 – 8	9	10	11
Coupling Flatness (Forward Direction)				±0.7	±1.1
Directivity (Forward Direction)			21	23	
Main Line VSWR	:1			1.15	1.25
Coupled Line VSWR				1.15	1.25
Insertion Loss (Including Coupling Loss)	dB			1.3	1.7
Nominal Coupling (Reverse Direction)			9.5	10.4	11.3
Coupling Flatness (Reverse Direction)				±1.1	±1.4
Directivity (Reverse Direction)		0.5 – 4 4 – 8	20 18	21 19	
Average Power Handling	W	0.5 – 8			20

Operated in 50Ω system, 25°C environment.

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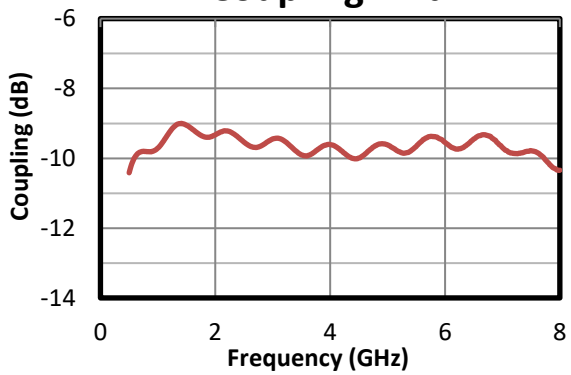
Outline Drawing



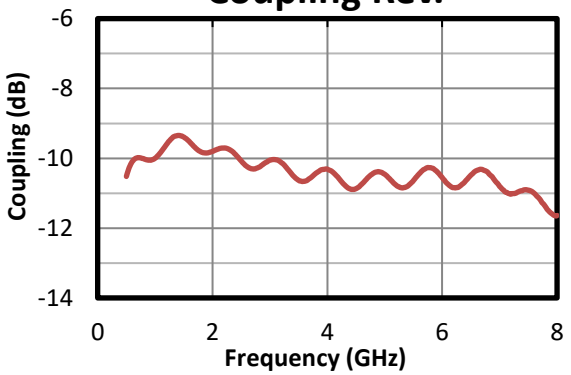
Connectors: SMA Female

Typical Performance

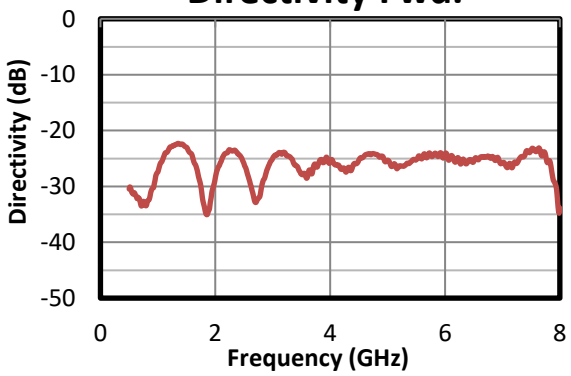
Coupling Fwd.



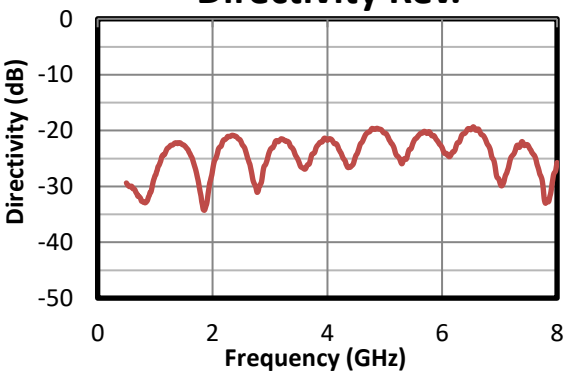
Coupling Rev.



Directivity Fwd.

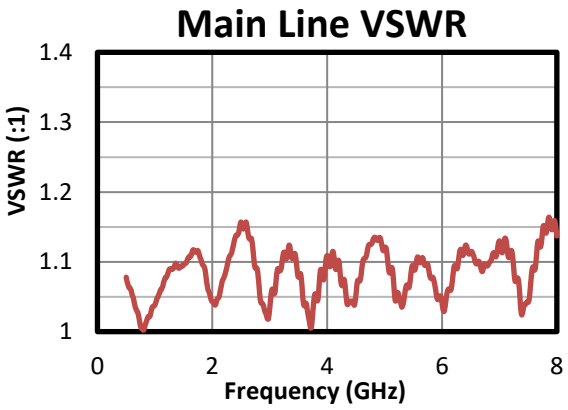


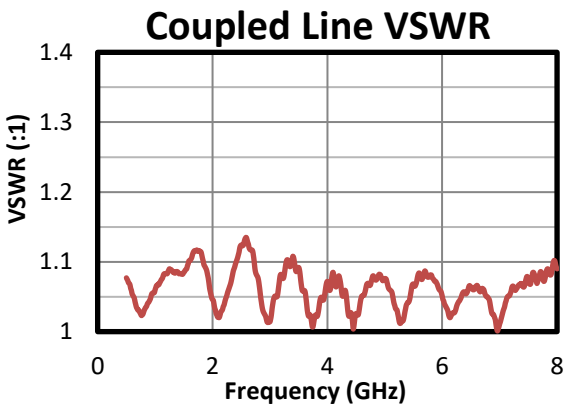
Directivity Rev.



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Bi-Directional Coupler 0.5 – 8 GHz







Typical performance S-parameter file: https://www.amtery.com/en/goods-43

For each S/N S-parameter file, go to https://www.amtery.com/en/downloads

Note: Specifications are subject to change without notice.