Amtery

Quick Delivery. Reliable Quality. Instant Service

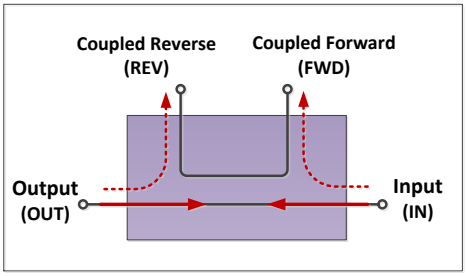
CP20008A-20

Bi-Directional Coupler 0.5 – 8 GHz



RoHS Compliant

Electrical schematic



Electrical Specifications

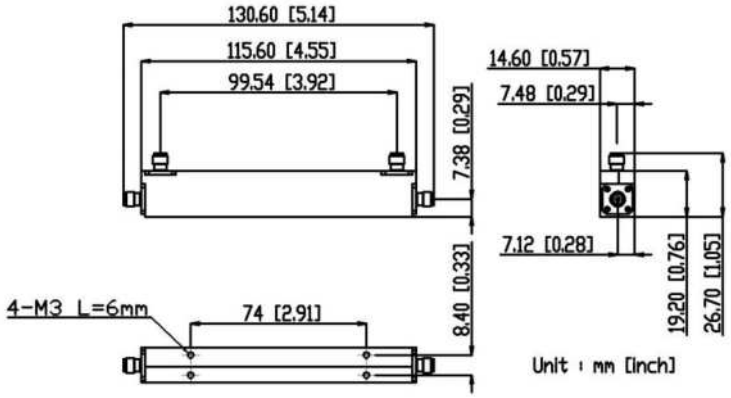
Parameter	Unit	Frequency (GHz)	Min.	Typ.	Max.
Nominal Coupling (Forward Direction)	dB	0.5 – 8	19	20	21
Coupling Flatness (Forward Direction)		0.5 – 8		±0.8	±1.2
Directivity (Forward Direction)		0.5 – 4 4 – 8	23 21	26 23	
Main Line VSWR	:1	0.5 – 4 4 – 8		1.10 1.20	1.15 1.25
Coupled Line VSWR		0.5 – 4 4 – 8		1.10 1.20	1.15 1.25
Insertion Loss	dB	0.5 – 8		0.6	0.9
Nominal Coupling (Reverse Direction)		0.5 – 8	19	20.5	21.5
Coupling Flatness (Reverse Direction)		0.5 – 8		±1.1	±1.5
Directivity (Reverse Direction)		0.5 – 4 4 – 8	22 19	24 21	
Average Power Handling	W	0.5 – 8			20

Operated in 50Ω system, 25°C environment.

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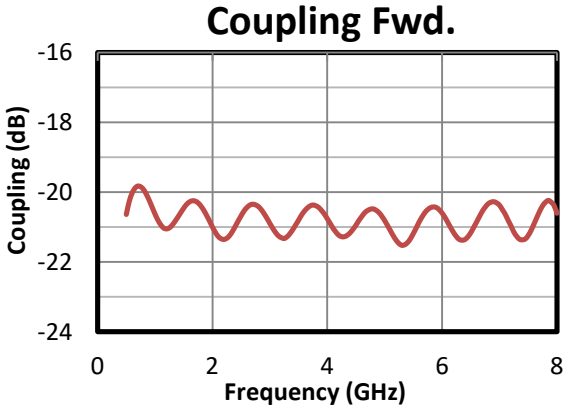
Bi-Directional Coupler 0.5 – 8 GHz

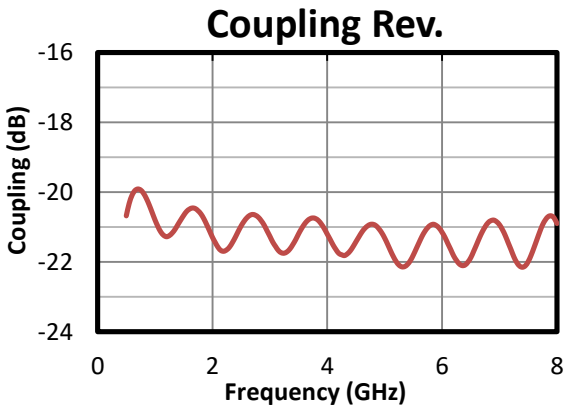
Outline Drawing

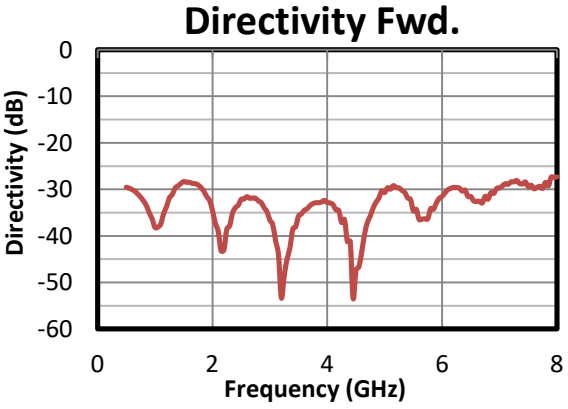


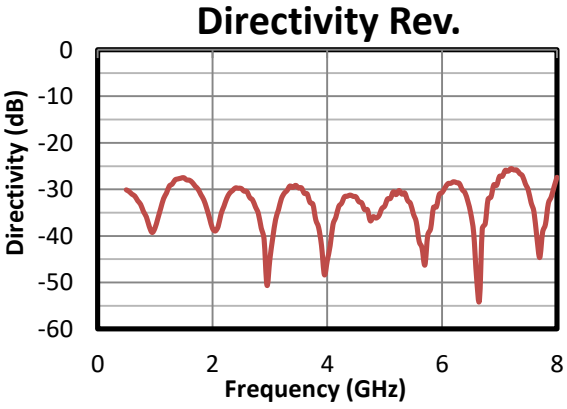
Connectors: SMA Female

Typical Performance



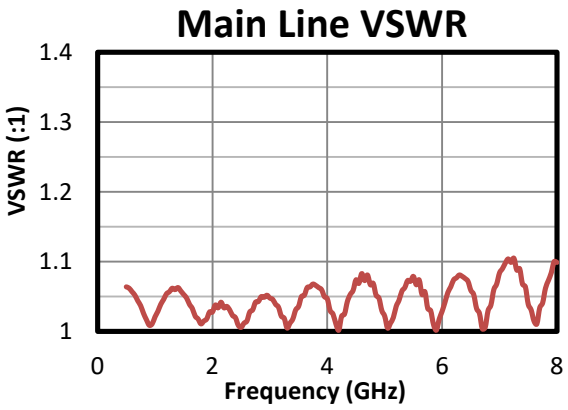


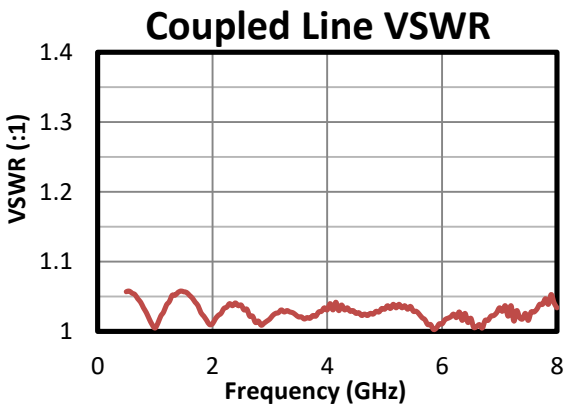




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Bi-Directional Coupler 0.5 – 8 GHz







Typical performance S-parameter file: https://www.amtery.com/en/goods-30

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

Note: Specifications are subject to change without notice.