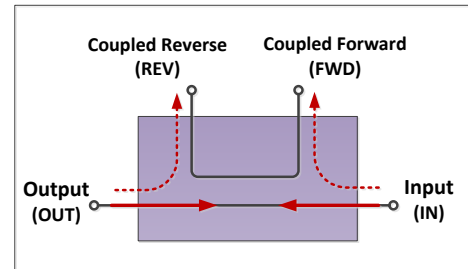




RoHS Compliant

Electrical schematic

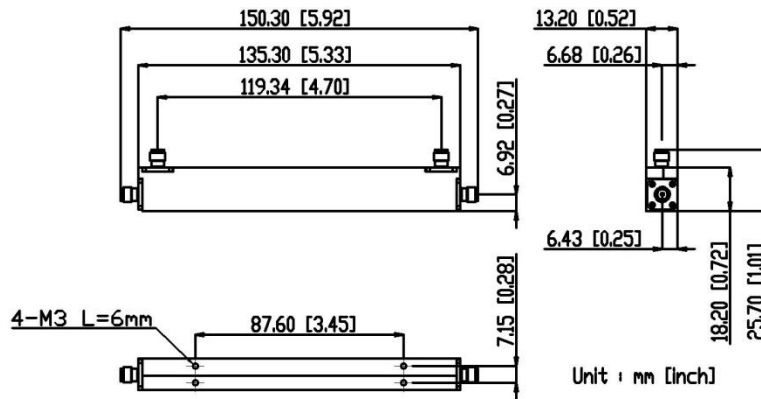


Electrical Specifications

Parameter	Unit	Frequency (GHz)	Min.	Typ.	Max.
Nominal Coupling (Forward Direction)	dB	0.5 – 18	8.8	10	11.2
Coupling Flatness (Forward Direction)		0.5 – 8		±0.7	±1.1
		8 – 18		±0.9	±1.2
Directivity (Forward Direction)	0.5 – 8	18	20		
	8 – 18	12	16		
Main Line VSWR		0.5 – 8		1.25	1.30
		8 – 18		1.30	1.35
Coupled Line VSWR		0.5 – 8		1.25	1.30
		8 – 18		1.30	1.40
Nominal Coupling (Reverse Direction)	:1	0.5 – 8	9.5	10.5	11.5
		8 – 18	10.4	11.5	12.6
Coupling Flatness (Reverse Direction)		0.5 – 8		±1.4	±1.6
		8 – 18		±1.5	±1.7
Directivity (Reverse Direction)		0.5 – 8	16	18	
		8 – 18	10	14	
Insertion Loss (Including Coupling Loss)		0.5 – 8			1.5
	8 – 18			2.0	2.7
Average Power Handling	W	0.5 – 18			20

Operated in 50Ω system, 25°C environment.

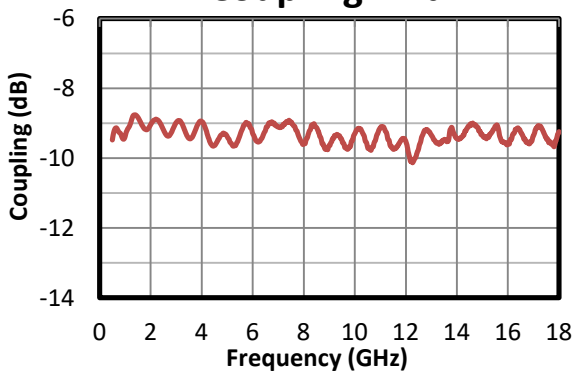
Outline Drawing



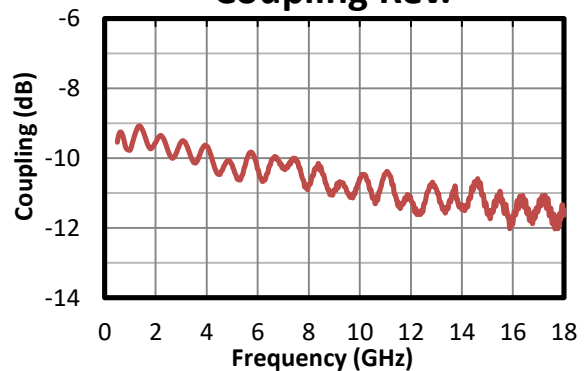
Connectors: SMA Female

Typical Performance

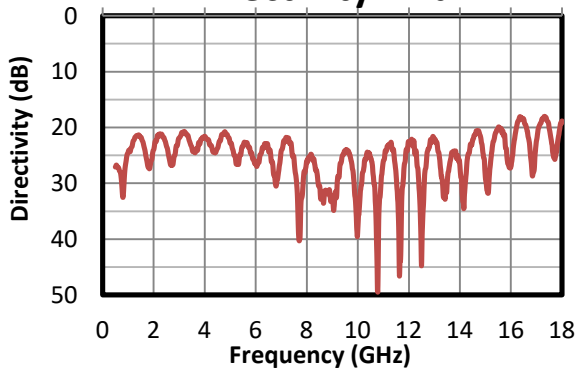
Coupling Fwd.



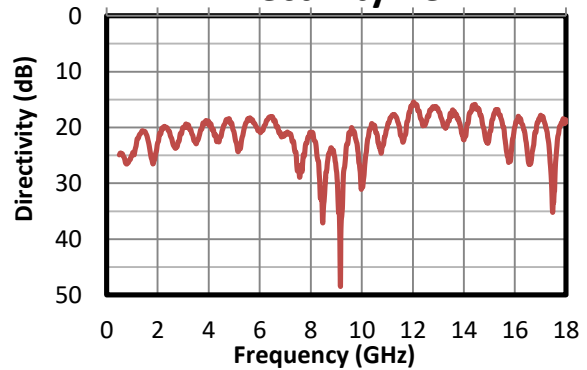
Coupling Rev.

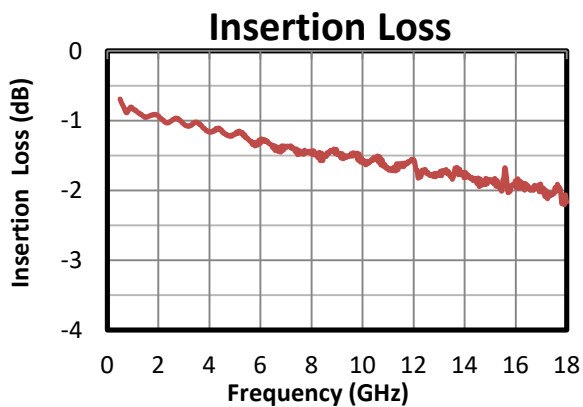
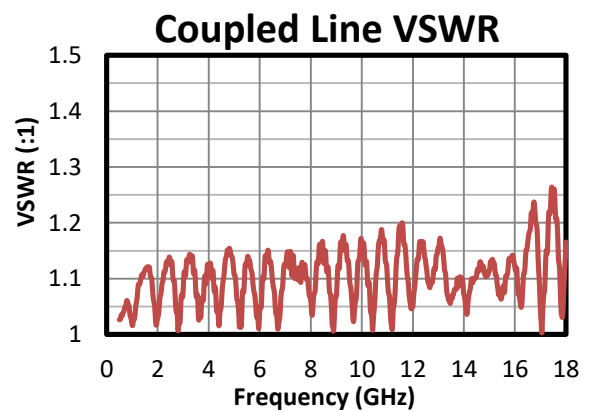
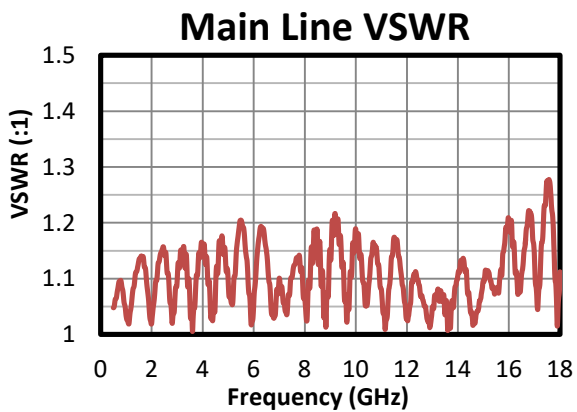


Directivity Fwd.



Directivity Rev.





Typical performance S-parameter file: <https://www.amtery.com/en/goods-62>

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

Note: Specifications are subject to change without notice.