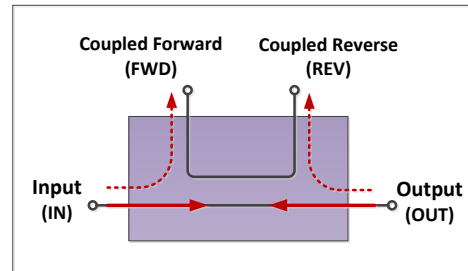




RoHS Compliant

### Electrical schematic

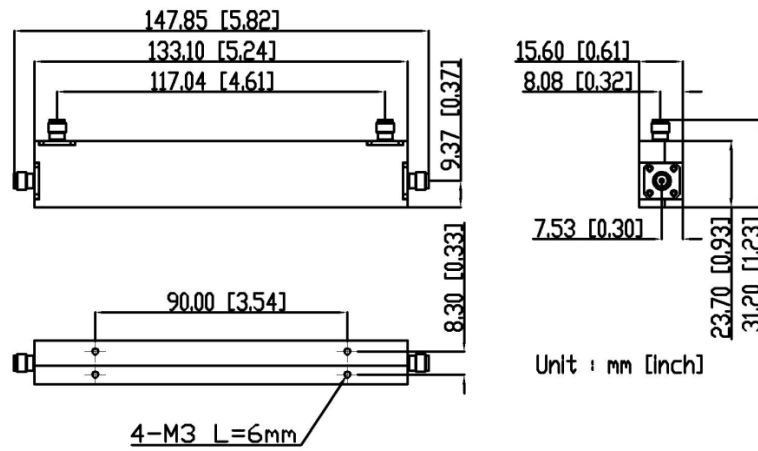


### Electrical Specifications

Parameter	Unit	Frequency (GHz)	Min.	Typ.	Max.
Nominal Coupling (Forward Direction)	dB	0.5 – 18	19	20	21
Coupling Flatness (Forward Direction)		0.5 – 18		±0.9	±1.3
Directivity (Forward Direction)		0.5 – 8	13	18	
		8 – 12	13	18	
		12 – 16	11	15	
16 – 18	11	14			
Insertion Loss		0.5 – 18		1.1	1.3
Main Line VSWR	:1	0.5 – 8		1.20	1.35
		8 – 18		1.35	1.45
Coupled Line VSWR		0.5 – 8		1.30	1.40
		8 – 18		1.45	1.55
Nominal Coupling (Reverse Direction)	dB	0.5 – 18	18	19	20
Coupling Flatness (Reverse Direction)				±1.3	±1.7
Directivity (Reverse Direction)		0.5 – 8	13	18	
		8 – 12	11.5	18	
		12 – 16	11	12	
		16 – 18	8	10	
Average Power Handling	W	0.5 – 18			50
Peak Power	W				2000

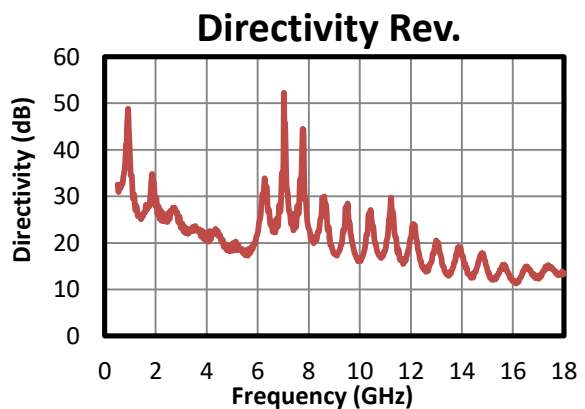
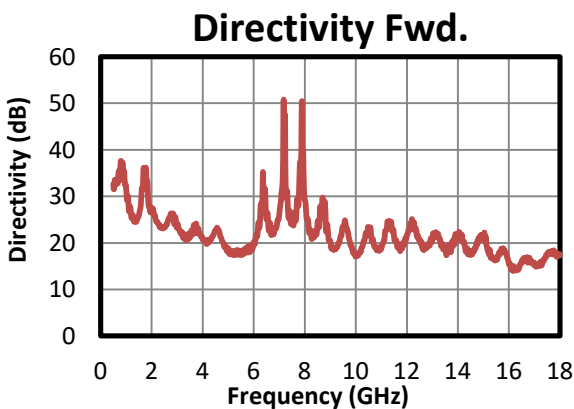
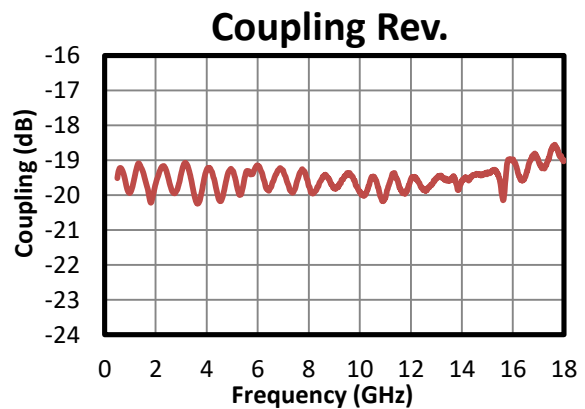
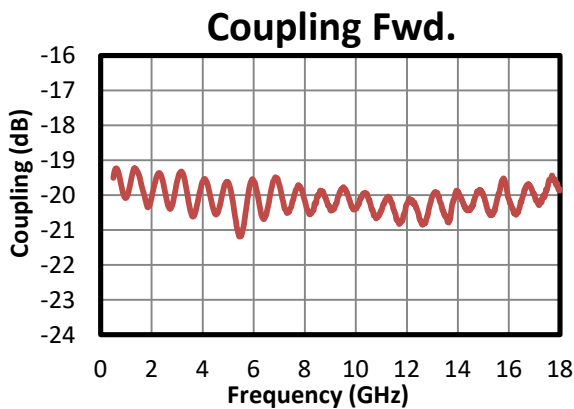
Operated in 50Ω system, 20°C to 40°C environment.

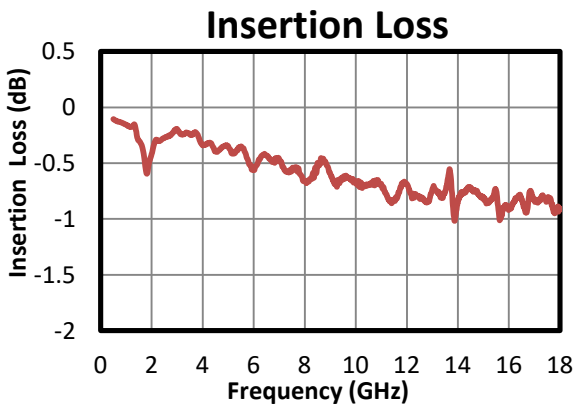
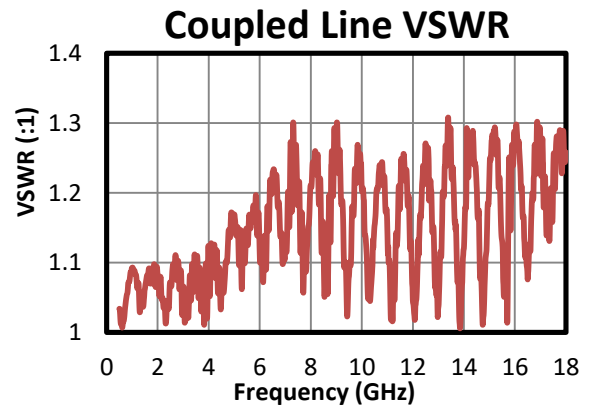
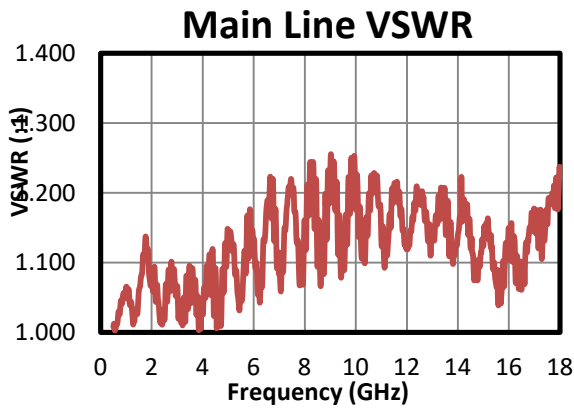
## Outline Drawing



Connectors: SMA Female

## Typical Performance





Typical performance S-parameter file: <https://www.amtery.com/en/goods-78>

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

Note: Specifications are subject to change without notice.