



# Coaxial 90° Hybrid Coupler

- ➔ Wide Band Operation
- ➔ High Isolation within Operational Band
- ➔ Low Insertion Loss
- ➔ High peak to average handle capability
- ➔ Temperature Range: -45 to +85°C

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## Specifications

Frequency Range (GHz)	Nominal Coupling (dB)	Insertion Loss (dB)	Isolation (dB)	Amplitude Unbalance (dB)	Phase Unbalance (°)	VSWR	Power Rating (KW)		Connector
							Average	Perk	
1-2	3dB	0.2	20	±0.5	±2	1.2	0.5	5	N-Female
1-4	3dB	0.8	20	±0.7	±5	1.25	0.05	1	SMA-Female
1-18	3dB	1.5	15	±1.0	±12	1.6	0.05	0.3	SMA-Female
2-8	3dB	0.8	20	±0.7	±6	1.25	0.05	0.5	SMA-Female
2-18	3dB	1.1	16	±0.7	±10	1.6	0.05	0.3	SMA-Female
2-40	3dB	2.5	10	±1.5	±12	2.0	0.02	0.2	2.92-Female
4-8	3dB	0.35	18	±0.5	±3	1.3	0.05	0.5	SMA-Female
4-18	3dB	1.0	16	±0.7	±8	1.5	0.05	0.5	SMA-Female
6-18	3dB	1.0	16	±0.6	±5	1.5	0.05	0.3	SMA-Female

## Environment Specifications

Operational Temperature	-45°C ~ +85°C
Storage Temperature	-55°C ~ +125°C
Altitude	30,000 ft. (Epoxy Seal Controlled environment)
(Optional)	60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msc half sin wave, 3 axis both directions