

Stripline Directional Couplers

Narrow Band

SMA Connectors

MODELS

SPECIFICATIONS

	Frequency Range (GHz)	*Coupling (dB)	Frequency Sensitivity (dB)	Insertion Loss (dB Max)		**Directivity (dB Min.)	VSWR		Power (Watts)			
				Excluding Coupled Power	True		Pri. Line	Sec. Line	Average Incident	Average Reflected	Peak (kW)	
317.2009-												
6		6 – 0.75	- 0.50	0.50	1.80	20	1.25:1	1.25:1	50	2	1	
10	0.8-0.9	10 – 0.75	- 0.50	0.50	1.20	20	1.25:1	1.25:1	50	5	1	
20		20 – 0.75	- 0.50	0.50	0.55	20	1.25:1	1.25:1	50	50	1	
30		30 – 0.75	- 0.50	0.50	0.55	20	1.25:1	1.25:1	50	50	1	
317.2023-												
6		6 – 1.00	- 0.50	0.20	1.80	25	1.25	1.25	50	2	3	
10	0.88-0.96	10 – 1.00	- 0.50	0.20	0.80	25	1.25	1.25	50	5	3	
20		20 – 1.00	- 0.50	0.20	0.20	25	1.25	1.25	50	50	3	
30		30 – 1.00	- 0.50	0.20	0.20	25	1.25	1.25	50	50	3	
317.2010-												
6		6 – 1.25	- 0.50	0.35	2.00	20	1.25:1	1.25:1	50	2	1	
10	0.8-2.3	10 – 1.25	- 0.50	0.35	1.00	20	1.25:1	1.25:1	50	5	1	
20		20 – 1.25	- 0.50	0.35	0.45	20	1.25:1	1.25:1	50	50	1	
317.2011-												
6		6 – 1.25	- 0.50	0.35	2.00	15	1.30:1	1.40:1	50	2	1	
10	0.8-3.0	10 – 1.25	- 0.50	0.35	1.00	16	1.30:1	1.30:1	50	5	1	
20		20 – 1.25	- 0.50	0.35	0.45	16	1.30:1	1.30:1	50	50	1	
317.2022-												
6		6 – 1.00	- 0.50	0.35	2.00	22	1.30:1	1.30:1	50	2	3	
10	1.7-2.4	10 – 1.00	- 0.50	0.35	0.90	22	1.30:1	1.30:1	50	5	3	
20		20 – 1.00	- 0.50	0.30	0.40	22	1.30:1	1.30:1	50	50	3	
30		30 – 1.00	- 0.50	0.30	0.40	22	1.30:1	1.30:1	50	50	3	
317.2012-												
6		6 – 1.25	- 0.75	0.20	1.80	20	1.25:1	1.25:1	50	2	3	
10	1.85-3.65	10 – 1.25	- 0.75	0.20	0.80	20	1.25:1	1.25:1	50	5	3	
20		20 – 1.25	- 0.75	0.20	0.20	20	1.25:1	1.25:1	50	50	3	
30		30 – 1.25	- 0.75	0.20	0.20	20	1.25:1	1.25:1	50	50	3	
317.2013-												
6		6 – 1.00	- 0.60	0.20	1.80	22	1.15:1	1.15:1	50	2	1	
10	2.1-2.7	10 – 1.25	- 0.75	0.20	0.70	22	1.15:1	1.15:1	50	5	1	
20		20 – 1.25	- 0.75	0.20	0.20	22	1.15:1	1.15:1	50	50	1	
30		30 – 1.25	- 0.75	0.20	0.20	22	1.15:1	1.15:1	50	50	1	
317.2014-												
6		6 – 1.00	- 0.30	0.55	2.00	15	1.35:1	1.45:1	50	2	3	
10	3.6-4.2	10 – 1.00	- 0.30	0.55	1.10	15	1.35:1	1.40:1	50	5	3	
20		20 – 1.00	- 0.30	0.50	0.55	15	1.30:1	1.40:1	50	50	3	
30		30 – 1.00	- 0.30	0.50	0.55	15	1.30:1	1.40:1	50	50	3	
317.2015-												
6		6 – 1.50	- 0.75	0.50	2.00	16	1.50:1	1.50:1	50	2	1	
10	4.0-9.5	10 – 1.50	- 0.75	0.50	1.30	16	1.50:1	1.50:1	50	5	1	
20		20 – 1.50	- 0.75	0.40	0.45	16	1.50:1	1.50:1	50	50	1	
30		30 – 1.50	- 0.75	0.40	0.45	16	1.50:1	1.50:1	50	50	1	
317.2016-												
6		6 – 1.25	- 0.75	0.40	2.00	15	1.40:1	1.40:1	50	2	3	
10	5.7-10.2	10 – 1.25	- 0.75	0.40	1.00	15	1.40:1	1.40:1	50	5	3	
20		20 – 1.25	- 0.75	0.40	0.45	15	1.40:1	1.40:1	50	50	3	
30		30 – 1.25	- 0.75	0.40	0.45	15	1.40:1	1.40:1	50	50	3	

*Includes frequency sensitivity.

**Higher directivity designs available. Consult factory with requirements.

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				Coupled Power	True		Pri. Line (Watts)	Sec. Line	Average Incident	Average Reflected	Peak (kW)
317.2017-	5.8-6.4	6 – 1.00	– 0.30	0.55	2.00	15	1.35:1	1.45:1	50	2	3
6											
10											
20											
30	30 – 1.00	– 0.30	0.50	0.55	15	1.30:1	1.40:1	50	50	3	
317.2018-	10.9-12.75	6 – 1.25	– 0.75	0.55	2.00	15	1.35:1	1.45:1	50	2	3
6											
10											
20											
30	30 – 1.25	– 0.75	0.50	0.55	15	1.35:1	1.45:1	50	50	3	
317.2019-	14.0-14.5	6 – 1.00	– 0.30	0.55	2.00	15	1.35:1	1.45:1	50	2	2
6											
10											
20											
30	30 – 1.00	– 0.30	0.50	0.55	15	1.30:1	1.40:1	50	50	2	
317.2021-	17.0-22.0	6 – 1.00	– 0.50	0.70	2.50	10	1.80	1.80	50	2	3
6											
10											
20											
30	30 – 1.00	– 0.50	0.70	0.75	10	1.80	1.80	50	50	3	
317.2020-	18.5-19.5	6 – 1.25	– 0.75	0.75	2.30	10	1.70:1	1.70:1	50	2	3
6											
10											
20											
30	30 – 1.25	– 0.80	0.80	0.85	10	1.70:1	1.70:1	50	50	3	

*Includes frequency sensitivity.

**Custom Design for higher directivity available. Contact manufacturer for details.