



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



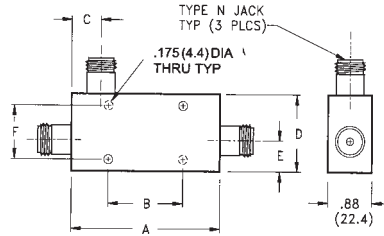
Couplers

Directional Couplers - N • TNC Types

500 Watt High Performance

- 500 MHz to 18.0 GHz Frequency Range
- Low VSWR - High Directivity
- 500 Watt High Power Capability
- Individually Calibrated

Midwest Microwave's series of High Power Directional Couplers are useable for system or testing where flat frequency response over extended bandwidths is required. They possess high directivity and will withstand high input power under extreme environmental conditions. Standard units have stainless steel Type N female connectors but are also available with TNC connectors.



Note: Case Style 7 has two mounting holes.

ELECTRICAL SPECIFICATIONS

Frequency Range (GHz)	Case Style	Model Number	Coupling (dB) (Incl Freq Sensitivity)	Frequency Sensitivity (dB)	Insertion Loss (dB) max	Directivity (dB) min	VSWR max	Power (In)		
								Avg In (W)	Avg Ref (W)	Avg Peak (kW)
.5-1.0	1	CPL-5044-10-NNN-79	10 ± 1.0	± 0.75	0.20	30	1.15	200	50	10
	1	CPL-5044-20-NNN-79	20 ± 1.0	± 0.75	0.20	30	1.15	500	500	10
	2	CPL-5044-30-NNN-79	30 ± 1.0	± 0.75	0.20	30	1.15	500	500	10
1.0-2.0	3	CPL-5045-10-NNN-79	10 ± 1.0	± 0.75	0.20	30	1.15	200	50	10
	3	CPL-5045-20-NNN-79	20 ± 1.0	± 0.75	0.20	30	1.15	500	500	10
	4	CPL-5045-30-NNN-79	30 ± 1.0	± 0.75	0.20	30	1.15	500	500	10
2.0-4.0	3	CPL-5046-10-NNN-79	10 ± 1.0	± 0.75	0.20	25	1.15	200	50	10
	3	CPL-5046-20-NNN-79	20 ± 1.0	± 0.75	0.20	27	1.15	500	500	10
	4	CPL-5046-30-NNN-79	30 ± 1.0	± 0.75	0.20	27	1.15	500	500	10
4.0-10.0	5	CPL-5047-10-NNN-79	10 ± 1.0	± 0.75	0.25	20*	1.20	200	50	10
	5	CPL-5047-20-NNN-79	20 ± 1.0	± 0.75	0.25	20*	1.20	500	500	10
	6	CPL-5047-30-NNN-79	30 ± 1.0	± 0.75	0.25	20*	1.20	500	500	10
7.0-12.4	7	CPL-5048-10-NNN-79	10 ± .75	± 0.75	0.25	15	1.25	200	50	10
	7	CPL-5048-20-NNN-79	20 ± .75	± 0.75	0.25	15	1.25	500	500	10
	7	CPL-5048-30-NNN-79	30 ± .75	± 0.75	0.25	15	1.25	500	500	10

* Directivity is 17 dB from 8.0 - 10.0 GHz.

MECHANICAL SPECIFICATIONS - INCHES (mm)

CASE STYLE	A	B	C	D	E	F	WEIGHT	
							Lbs	Kg
1	6.25 (158.8)	3.00 (76.2)	0.51 (13.0)	2.13 (54.0)	0.87 (22.1)	1.687 (42.9)	1.2	0.52
2	6.25 (158.8)	3.00 (76.2)	0.51 (13.0)	2.13 (54.0)	0.69 (17.5)	1.687 (42.9)	1.2	0.52
3	4.10 (104.1)	1.09 (27.7)	0.50 (12.7)	2.13 (54.0)	0.87 (22.1)	1.687 (42.9)	1.0	0.45
4	4.10 (104.1)	1.09 (27.7)	0.50 (12.7)	2.13 (54.0)	0.69 (17.5)	1.687 (42.9)	1.0	0.45
5	5.10 (129.5)	2.00 (50.8)	0.66 (16.8)	2.13 (54.0)	0.57 (14.5)	1.687 (42.9)	1.1	0.50
6	5.10 (129.5)	2.00 (50.8)	0.57 (14.5)	2.13 (54.0)	0.69 (17.5)	1.687 (42.9)	1.1	0.50
7	2.50 (63.5)	1.13 (28.7)	0.60 (15.2)	1.50 (38.1)	0.60 (15.2)	1.093 (27.8)	0.8	0.40

Note: TNC or Type N output connectors are available by substituting "TNC" or "NNN" for "SMA" in the Model Number.