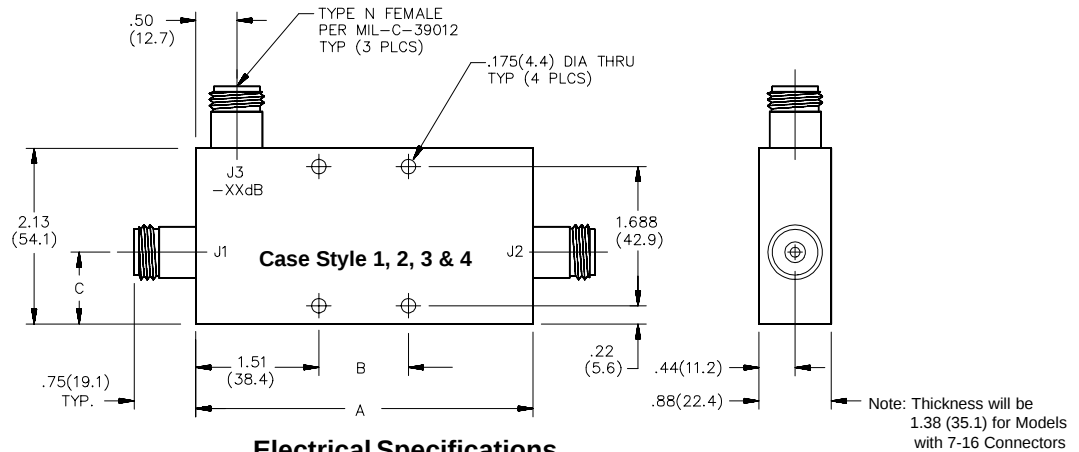


Type N - High Power - 500 Watts

- Wireless Frequency Bands
- PCS and Cellular applications
- Type N, TNC, & 7-16 Connector Interface
- High Performance

Midwest Microwave offers this complete series of high performance Directional Couplers using Type N, TNC and 7-16 connector interfaces. They are ruggedly constructed using high power circuits that exhibit excellent VSWR and directivity performance in the 500 Watt power category. They are offered in most of the popular wireless PCS and Cellular frequency bandwidths.



Electrical Specifications

Frequency Range (MHz)	Case Style	Model Number	Coupling	Frequency Sensitivity	Insertion Loss (dB)	Directivity (dB)	VSWR (max)	Input Avg (W)	Power Refl Avg (W)	Peak (kW)
500 - 1000	1	CPW-5140-10-NNN-05	10 ± 0.5	± 0.50	0.20	20	1.20	200	50	10
	1	CPW-5140-20-NNN-05	20 ± 0.5	± 0.50	0.20	20	1.20	500	500	10
	2	CPW-5140-30-NNN-05	30 ± 0.5	± 0.50	0.20	20	1.20	500	500	10
800 - 980	1	CPW-5141-10-NNN-05	10 ± 0.3	± 0.15	0.20	20	1.20	200	50	10
	1	CPW-5141-20-NNN-05	20 ± 0.3	± 0.20	0.20	20	1.20	500	500	10
	2	CPW-5141-30-NNN-05	30 ± 0.3	± 0.20	0.20	20	1.20	500	500	10
1000 - 2000	3	CPW-5142-10-NNN-05	10 ± 1.0	± 0.75	0.25	30	1.15	200	50	10
	3	CPW-5142-20-NNN-05	20 ± 1.0	± 0.75	0.22	30	1.15	500	500	10
	4	CPW-5142-30-NNN-05	30 ± 1.0	± 0.75	0.20	30	1.15	500	500	10
1700 - 2200	3	CPW-5143-10-NNN-05	10 ± 0.5	± 0.20	0.20	25	1.10	200	50	10
	3	CPW-5143-20-NNN-05	20 ± 0.5	± 0.20	0.20	27	1.10	500	500	10
	4	CPW-5143-30-NNN-05	30 ± 0.5	± 0.30	0.20	27	1.10	500	500	10
2000 - 4000	3	CPW-5144-10-NNN-05	10 ± 1.0	± 0.75	0.25	25	1.15	200	50	10
	3	CPW-5144-20-NNN-05	20 ± 1.0	± 0.75	0.22	27	1.15	500	500	10
	4	CPW-5144-30-NNN-05	30 ± 1.0	± 0.75	0.20	27	1.15	500	500	10

Note: For "TNC" or "7-16" connector interfaces, substitute "TNC" or "716" for "NNN" in Model Number.

Case Style	A	B	C	Weight Oz (Kg)
1	11.58 (294.13)	3.00 (76.2)	0.88 (22.4)	36 (1.0)
2	11.58 (294.13)	3.00 (76.2)	0.69 (17.5)	36 (1.0)

Case Style	A	B	C	Weight Oz (Kg)
3	4.10 (104.1)	1.09 (27.7)	0.88 (22.4)	18 (0.5)
4	4.10 (104.1)	1.09 (27.7)	0.69 (17.5)	18 (0.5)