

## Directional Coupler (Model: DCP-80175N)



### Features

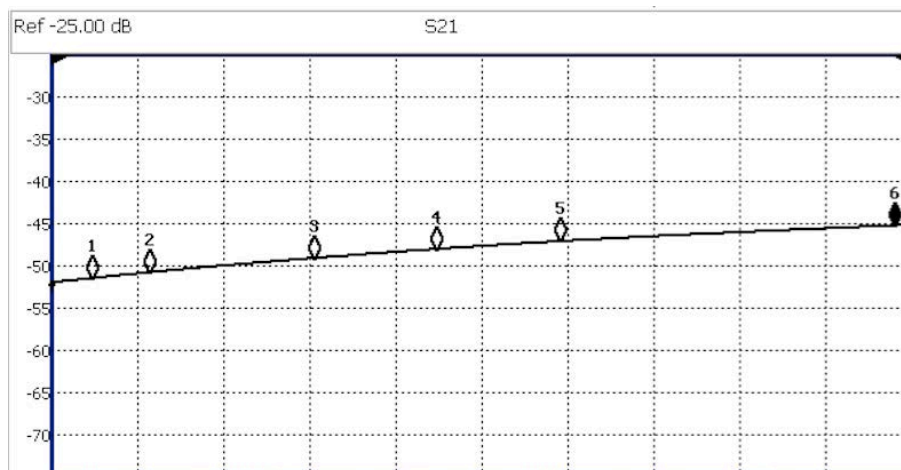
- High power rating up to 800W
- Low insertion loss
- 2 port Forward & Reflect coupler
- Aluminum material
- Easy to installation
- Low cost

### General Specifications:

Power rating	: 800 watt
Input/output impedance	: 50 ohm
Input connector	: N Male
Output connector	: N Female
Insertion loss	: < 0.06 dB typical
Coupling	: 50 dBc typical
Frequency range	: 85.00 – 170.00 MHz

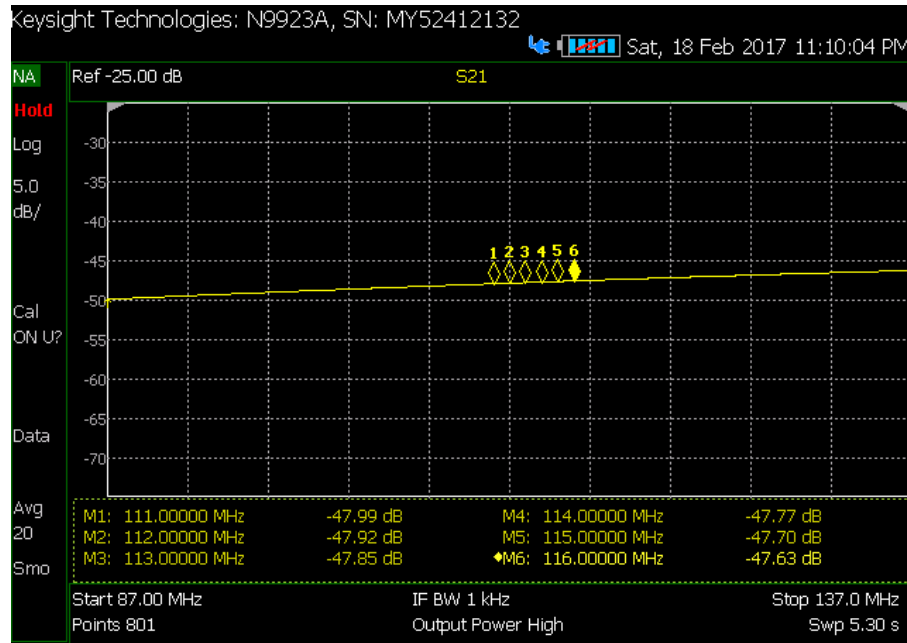
### Physical and Environmental Specifications:

General	: Directional coupler
Operating Temperature	: 0°C to +60°C
Storage Temperature	: -10°C to +70°C
Size	: 5.5 X 11.5 X 10.5 cm. (W x L x H)
Weight	: 0.32 kg.



### Test Report for model: DCP-80175N

#### Test picture



#### Coupling Factor

Freq:	Coupling	Freq:	Coupling	Freq:	Coupling
85.00	-51.58	104.00	-48.52	122.00	-47.22
87.00	-49.95	105.00	-48.45	123.00	-47.16
88.00	-49.87	106.00	-48.37	124.00	-47.09
89.00	-49.78	107.00	-48.29	125.00	-47.03
90.00	-49.69	108.00	-48.22	126.00	-46.96
91.00	-49.61	109.00	-48.14	127.00	-46.90
92.00	-49.52	110.00	-48.07	128.00	-46.84
93.00	-49.43	111.00	-47.99	129.00	-46.78
94.00	-49.34	112.00	-47.92	130.00	-46.72
95.00	-49.25	113.00	-47.85	131.00	-46.66
96.00	-49.17	114.00	-47.77	132.00	-46.60
97.00	-49.08	115.00	-47.70	133.00	-46.54
98.00	-49.00	116.00	-47.63	134.00	-46.48
99.00	-48.92	117.00	-47.56	135.00	-46.43
100.00	-48.84	118.00	-47.49	136.00	-46.37
101.00	-48.76	119.00	-47.42	137.00	-46.23
102.00	-48.68	120.00	-47.36	170.00	-45.35
103.00	-48.60	121.00	-47.29		