

Directional Coupler (Model: DCP-80175/M)



Features

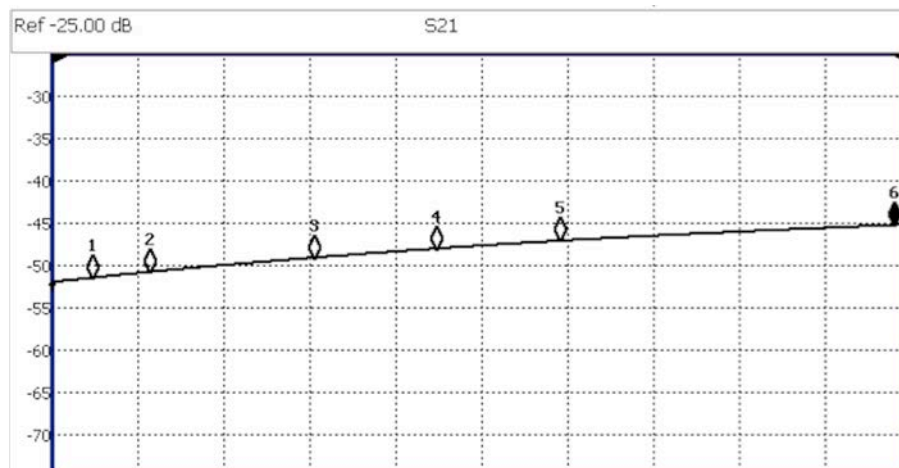
- High power rating up to 2000W
- Low insertion loss
- 2 port Forward & Reflect coupler
- Aluminum material
- Easy to installation
- Low cost

General Specifications:

Power rating	: 2000 watt
Input/output impedance	: 50 ohm
Input connector	: 7/16 DIN Male
Output connector	: 7/16 DIN Female
Insertion loss	: < 0.06 dB typical
Coupling	: 50 dBc typical
Frequency range	: 85.00 – 170.00 MHz

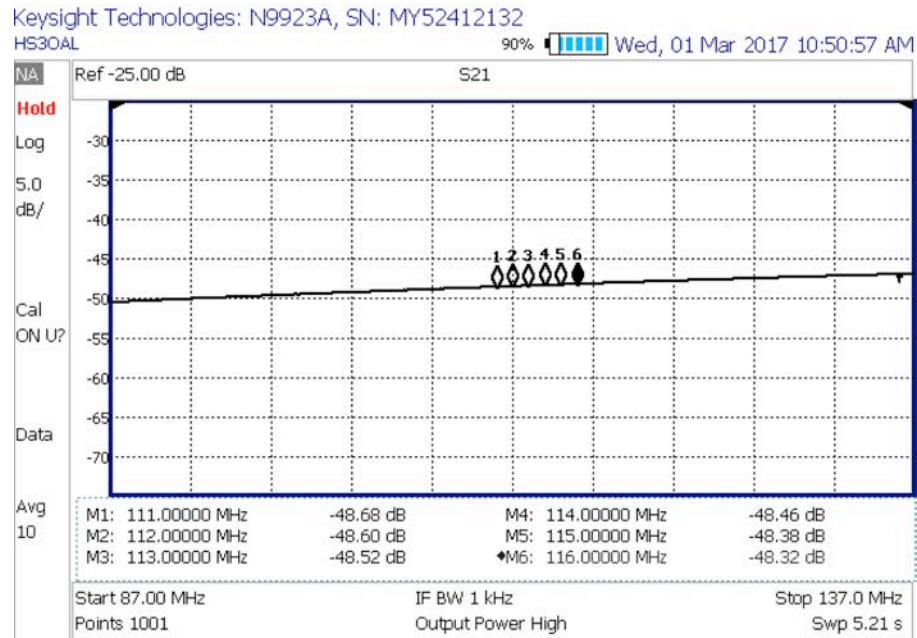
Physical and Environmental Specifications:

General	: Directional coupler
Operating Temperature	: 0°C to +60°C
Storage Temperature	: -10°C to +70°C
Size	: 5.5 X 12.0 X 10.5 cm. (W x L x H)
Weight	: 0.42 kg.



Test Report for model: DCP-80175/M

Test picture



Coupling Factor

Freq:	Coupling	Freq:	Coupling	Freq:	Coupling
85.00	-51.88	104.00	-49.20	122.00	-47.91
87.00	-50.62	105.00	-49.12	123.00	-47.85
88.00	-50.54	106.00	-49.04	124.00	-47.76
89.00	-50.44	107.00	-48.97	125.00	-47.72
90.00	-50.34	108.00	-48.88	126.00	-47.65
91.00	-50.26	109.00	-48.82	127.00	-47.60
92.00	-50.18	110.00	-48.75	128.00	-47.53
93.00	-50.10	111.00	-48.68	129.00	-47.47
94.00	-50.03	112.00	-48.60	130.00	-47.42
95.00	-49.93	113.00	-48.52	131.00	-47.36
96.00	-49.83	114.00	-48.46	132.00	-47.30
97.00	-49.76	115.00	-48.38	133.00	-47.24
98.00	-49.67	116.00	-48.32	134.00	-47.17
99.00	-49.58	117.00	-48.25	135.00	-47.11
100.00	-49.52	118.00	-48.17	136.00	-47.08
101.00	-49.44	119.00	-48.10	137.00	-47.00
102.00	-49.36	120.00	-48.04	170.00	-46.15
103.00	-49.29	121.00	-47.97		