

## Double Directional Coupler

The double directional coupler is a radio frequency four-port device. It is a standard device commonly used in microwave measurement and a key device in reflectometer, radio frequency network analyzer and other instruments. It can be used to monitor the output power, output spectrum and test of transmitter. The reflected power from the transmitter to the antenna end, monitoring the match of the antenna feed system, can also be used for the power control of the transmitter. It can be used as power meter with detector and level indicator.



### FEATURE

Broad Band  
High Power  
Low Insertion Loss

### APPLICATION

Amplifier  
Radio  
Communication  
Laboratory Tests

### ELECTRICAL CHARACTERISTICS:

Model	Freq (GHz)	Power (W)	Coupling (dB)	Insertion Loss (dB,max.)	Directivity (dB,min.)	VSWR (max.)	Connector	Dimensions (mm)
SHD-2000-4000-K4-40-NS	2-4	400	40 ± 1.5	0.5	10	1.3	SMA,N	50*50*22.6
SHD-4000-6000-K4-40-NS	4-6	400	40 ± 1.5	0.6	10	1.3	SMA,N	50*50*22.6
SHD-400-450-20-40-S	0.4-0.45	20	40 ± 1	0.3	20	1.3	SMA	288*27*15
SHD-400-2000-K3-40-N	0.4-2	300	40 ± 1	0.4	20	1.3	N	410*102*36
SHD-700-6000-50-10-S	0.7-6	50	10 ± 1.2	2.2	12	1.4	SMA	202*16*11
SHD-700-6000-50-30-S	0.7-6	50	30 ± 1.5	1.2	10	1.4	SMA	202*16*11
SHD-1000-6000-40-10-S	1-6	40	10 ± 1	2.0	18	1.3	SMA	150*18*12
SHD-1000-6000-50-10-NS	1-6	50	10 ± 1	2.0	18	1.3	SMA,N	140*20*20
SHD-1900-2200-50-10-NS	1.9-2.2	50	10 ± 1	1.5	20	1.2	SMA,N	140*20*20
SHD-2000-4000-10-10-S	2-4	10	10 ± 1	0.8	18	1.2	SMA	86*15*11
SHD-2000-18000-20-40-S	2-18	20	40 ± 1.5	2.0	7	1.7	SMA	86*18*11
SHD-4000-6000-10-10-S	4-6	10	10 ± 1	0.8	18	1.2	SMA	86*15*11
SHD-6000-18000-70-40-S	6-18	70	40 ± 2.5	0.5	15	1.4	SMA	45*32*14

\*Dimensions do not include connectors.