

Engineering Development Model

Bi-Directional Coupler

SYDC-ED12804/1

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : AH202-1

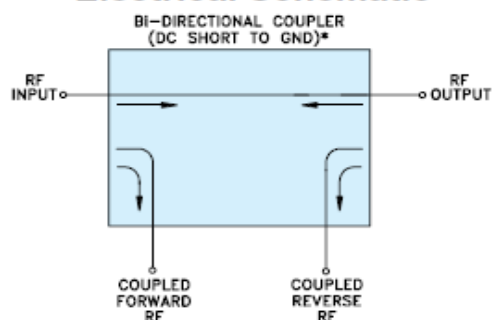
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		20		1000 MHz
Coupling	Nominal		19.65 ± 0.5	dB
	Flatness		± 0.57	dB
Mainline Loss **	20-200 MHz		0.11	dB
	200-500 MHz		0.27	dB
	500-1000 MHz		0.72	dB
Directivity	20-200 MHz		22	dB
	200-500 MHz		39	dB
	500-1000 MHz		17	dB
VSWR	20-1000 MHz		1.14	(:1)
RF Power Input	20-1000 MHz			3 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.04733dB at 19.65dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
INPUT	8
OUTPUT	1
COUPLED FORWARD	5
COUPLED REVERSE	4
GROUND	2,3,6,7

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR BI-DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.