

Bi-Directional Coupler

SYDC-ED12827/1

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

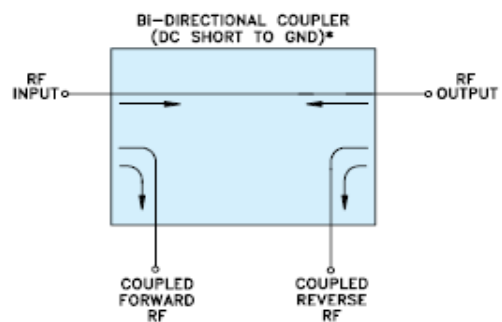
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		10		540	MHz
Coupling	Nominal		20±0.3		dB
	Flatness		± 0.335		dB
Mainline Loss **	10-100 MHz		0.14		dB
	100-270 MHz		0.20		dB
	270-540 MHz		0.28		dB
Directivity	10-100 MHz		36		dB
	100-270 MHz		28		dB
	270-540 MHz		23		dB
VSWR	10-540 MHz		1.10		(:1)
RF Power Input	10-540 MHz			30	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.044dB at 20dB 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.