

Bi-Directional Coupler

SYDC-ED12560/1

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.



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CASE STYLE : AH202

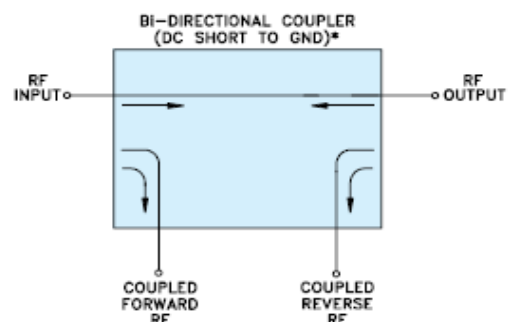
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		0.2		350	MHz
Coupling	Nominal		19.50		dB
	Flatness		± 0.065		dB
Mainline Loss **	0.2-2 MHz		0.30		dB
	2-175 MHz		0.30		dB
	175-350 MHz		0.35		dB
Directivity	0.2-2 MHz		45		dB
	2-175 MHz		37		dB
	175-350 MHz		23		dB
VSWR	0.2-350 MHz		1.15		(:1)
RF Power Input	0.2-2 MHz			1.5	W
	2-350 MHz			4	

Note: ** Mainline loss includes theoretical coupled power loss of 0.049dB at 19.5dB 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.