

Engineering Development Model

Bi-Directional Coupler

SYDC-ED13289/2

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

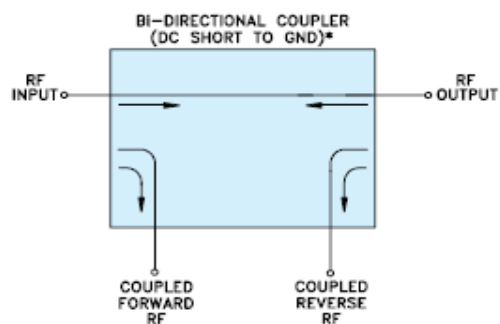
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		10		650 MHz
Coupling	Nominal		9.7 ± 0.5	dB
	Flatness		± 0.8	dB
Mainline Loss *	10-100 MHz		0.7	dB
	100-325 MHz		0.8	dB
	325-650 MHz		1.0	dB
Directivity	10-100 MHz		22	dB
	100-325 MHz		24	dB
	325-650 MHz		26	dB
VSWR	10-650 MHz		1.1	(:1)
RF Power Input	10-650 MHz			4 W

Note: * Mainline loss includes theoretical coupled power loss of 0.49 dB at 9.7 dB 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.