

Engineering Development Model

Directional Coupler

SYDC-ED14337/2

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 : 99-01-1613

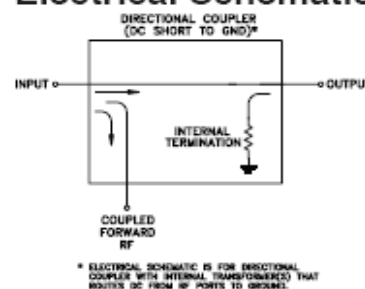
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		50		4000 MHz
Coupling	Nominal		24±1	dB
	Flatness		±1.8	dB
Mainline Loss*	50 MHz		0.8	dB
	2200 MHz		1.4	dB
	3600 MHz		2.3	dB
	4000 MHz		2.5	dB
Directivity	50 MHz		24	dB
	2000 MHz		18	dB
	3600 MHz		12	dB
	4000 MHz		9	dB
VSWR	50-4000 MHz		1.5	(:1)
RF Power Input	50-4000 MHz			3 W

Note: * Mainline loss includes theoretical coupled power loss of .017 dB at 24 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to +60°C
Storage Temperature	-55°C to 100°C

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

Electrical Schematic



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS



REV. X1
SYDC-ED14337/2
10/9/2013
Page 1 of 1