

Engineering Development Model

Directional Coupler

ADC-ED9780/1

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 : CD637

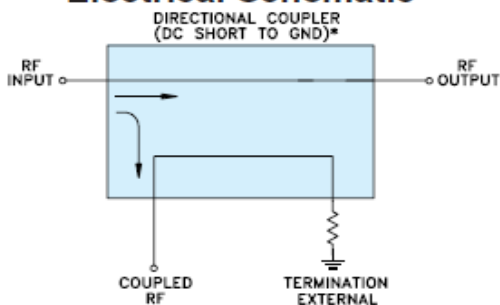
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		0.5		2000 MHz
Coupling	Nominal		8.1 ± 0.7	dB
	Flatness		± 0.7	dB
Mainline Loss **	0.5-5 MHz		1.62	dB
	5-1000 MHz		1.44	dB
	1000-2000 MHz		2.81	dB
Directivity	0.5-5 MHz		16	dB
	5-1000 MHz		18	dB
	1000-2000 MHz		14	dB
VSWR	0.5-2000 MHz		1.2	(:1)
RF Power Input	0.5-2000 MHz			1.0 W

Note: **Mainline loss includes theoretical coupled power loss of 0.731 dB at 8.1 dB coupling.

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

PIN CONNECTIONS	
INPUT	6
OUTPUT	1
COUPLED FORWARD	4
75Ω TERM. EXTERNAL	3
GROUND	2, 5

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) AND EXTERNAL TERMINATION.



P.O. Box 350166, Brooklyn, New York 11235-0000 (718) 934-4500 Fax (718) 332-4651 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



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