

Directional Coupler

ADC-ED12010/1

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 : CD542

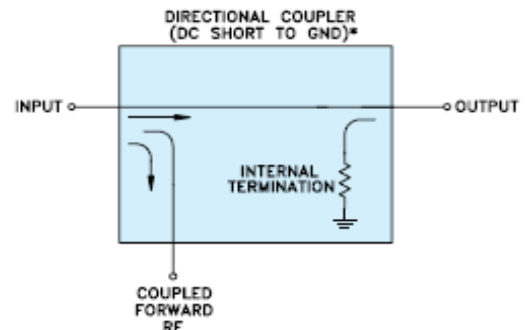
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		5		600 MHz
Coupling	Nominal		10.5 ± 0.5	dB
	Flatness		± 0.5	dB
Mainline Loss **	5-50 MHz		0.75	dB
	50-300 MHz		0.77	dB
	300-600 MHz		0.90	dB
Directivity	5-50 MHz		38	dB
	50-300 MHz		35	dB
	300-600 MHz		33	dB
VSWR	50-600 MHz		1.2	(:1)
RF Power Input	50-600 MHz			1.0 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.41 dB at 10.5 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	4
GROUND	2,5
NOT USED	3

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.