

Directional Coupler

ADC-ED10253/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

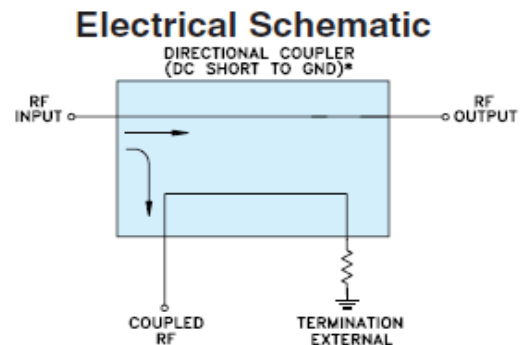
CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 75Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1		1000 MHz
Coupling	Nominal		17.2 ± 0.8	dB
	Flatness		± 1.1	dB
Mainline Loss **	1-10 MHz		0.70	dB
	10-500 MHz		0.70	dB
	500-1000 MHz		0.80	dB
Directivity	1-10 MHz		36	dB
	10-500 MHz		20	dB
	500-1000 MHz		12	dB
VSWR	1-1000 MHz		1.1	(:1)
RF Power Input	1-1000 MHz			0.25 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.084 dB at 17.2 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
75Ω TERM. EXTERNAL	3
GROUND	2
NOT USED	5



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