

## Directional Coupler

## ADC-ED10779/2

### 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.



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**CASE STYLE : CD542**

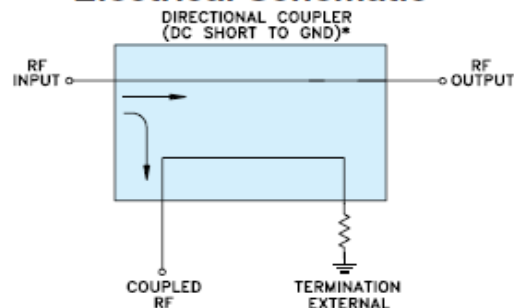
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		40		1000 MHz
Coupling	Nominal		10.5 ± 0.5	dB
	Flatness		± 0.5	dB
Mainline Loss **	40-400 MHz		1.13	dB
	400-500 MHz		1.15	dB
	500-1000 MHz		1.17	dB
Directivity	40-400 MHz		22	dB
	400-500 MHz		22	dB
	500-1000 MHz		23	dB
VSWR	40-1000 MHz		1.2	(:1)
RF Power Input	40-1000 MHz			1.0 W

Notes: \*\* Mainline loss includes theoretical coupled power loss of 0.405 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	1
OUTPUT	6
COUPLED FORWARD	3
75Ω TERM. EXTERNAL	4
GROUND	2
NOT USED	5

### Electrical Schematic



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