

## Directional Coupler

## ADC-ED10553/1

### 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 : CD636**

ELECTRICAL SPECIFICATIONS 75Ω/50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		10		1000	MHz
Coupling	Nominal		6.0 ± 1.0		dB
	Flatness		± 1.0		dB
Mainline Loss **	10-100 MHz		1.90		dB
	100-500 MHz		2.85		dB
	500-1000 MHz		3.20		dB
Directivity	10-100 MHz		17		dB
	100-500 MHz		17		dB
	500-1000 MHz		14		dB
VSWR	10-1000 MHz		1.4		(:1)
RF Power Input	10-1000 MHz			0.5	W

Notes: \*\*Mainline loss includes theoretical coupled power loss of 1.256 dB at 6 dB coupling.

Input and coupled ports impedance: 75 ohms; Output port impedance: 50 ohms

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

