

## Directional Coupler

## ADC-ED10254

### 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**

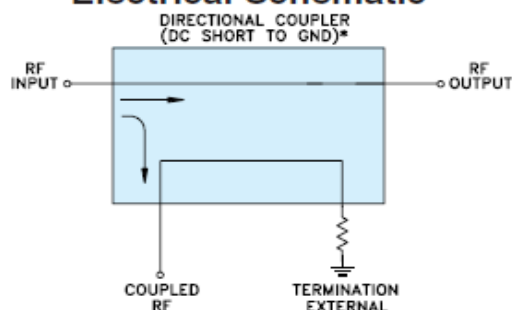
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		4		1050	MHz
Coupling	Nominal		17.1 ± 1.0		dB
	Flatness		± 1.4		dB
Mainline Loss **	4-40 MHz		0.60		dB
	40-525 MHz		0.65		dB
	525-1050 MHz		0.90		dB
Directivity	4-40 MHz		40		dB
	40-525 MHz		27		dB
	525-1050 MHz		13		dB
VSWR	4-1050 MHz		1.1		(:1)
RF Power Input	4-1050 MHz			0.25	W

**Note:** \*\*Mainline loss includes theoretical coupled power loss of 0.086 dB at 17.1 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	5
NOT USED	2

### Electrical Schematic



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