

Directional Coupler

ADC-ED13116/1

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

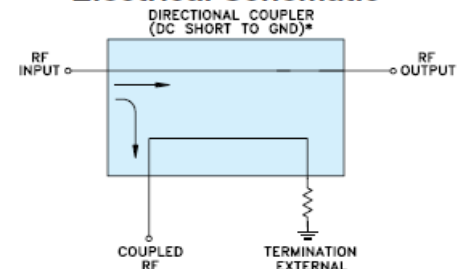
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		1		1300	MHz
Coupling	Nominal		20±1		dB
	Flatness		±0.8		dB
Mainline Loss*	1-10 MHz		0.60		dB
	10-650 MHz		0.50		dB
	650-1300 MHz		0.70		dB
Directivity	1-10 MHz		25		dB
	10-650 MHz		29		dB
	650-1300 MHz		18		dB
VSWR	1-1300 MHz		1.08		(:1)
RF Power Input	1-1300 MHz			250	mW

Note: * Mainline loss includes theoretical coupled power loss of 0.044 dB at 20 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
GND	2
75Ω TERM EXTERNAL	3
ISOLATE (ISOLATE)	5

Electrical Schematic



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