

Directional Coupler

ADC-ED12199

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

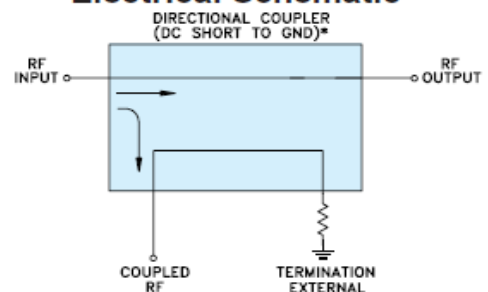
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1		1000 MHz
Coupling	Nominal		13 ± 0.5	dB
	Flatness		± 1.065	dB
Mainline Loss **	1-10 MHz		0.90	dB
	10-500 MHz		0.70	dB
	500-1000 MHz		0.90	dB
Directivity	1-10 MHz		27	dB
	10-500 MHz		27	dB
	500-1000 MHz		18	dB
VSWR	1-1000 MHz		1.2	(:1)
RF Power Input	1-1000 MHz			1.0 W

Note: ** Mainline loss includes theoretical coupled power loss of 0.223 dB at 13 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
50Ω TERM EXTERNAL	4
GROUND	2
NOT USED	5

Electrical Schematic



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