

Directional Coupler

ADC-ED10228/1

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 : CD637

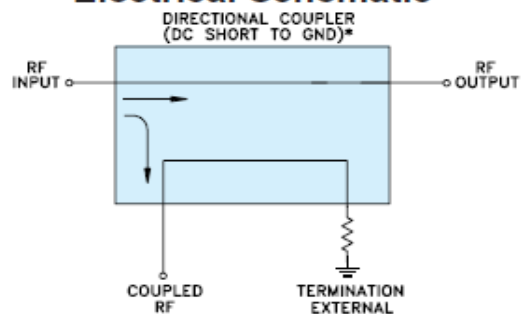
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		5		1000	MHz
Coupling	Nominal		20.0 ± 1.0		dB
	Flatness		± 0.5		dB
Mainline Loss **	5-50 MHz		0.60		dB
	50-500 MHz		0.60		dB
	500-1000 MHz		0.70		dB
Directivity	5-50 MHz		28		dB
	50-500 MHz		18		dB
	500-1000 MHz		14		dB
VSWR	5-1000 MHz		1.1		(:1)
RF Power Input	5-1000 MHz			0.25	W

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	1
OUTPUT	6
COUPLED FORWARD	3
NOT USED	5
75Ω TERM. EXTERNAL	4
GROUND	2

Electrical Schematic



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