

Directional Coupler

ADC-ED10350/1

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

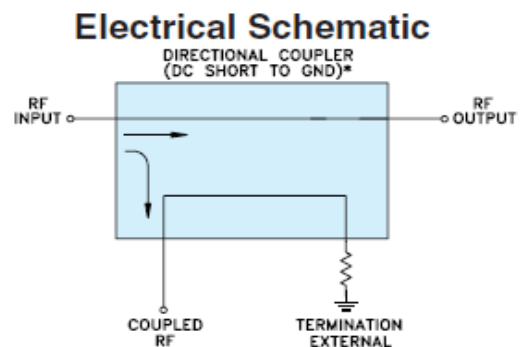
ELECTRICAL SPECIFICATIONS 75Ω/50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		3		750 MHz
Coupling	Nominal		10.5 ± 0.5	dB
	Flatness		± 1.0	dB
Mainline Loss **	3-30 MHz		1.80	dB
	30-375 MHz		1.90	dB
	375-750 MHz		2.20	dB
Directivity	3-30 MHz		21	dB
	30-375 MHz		20	dB
	375-750 MHz		16	dB
VSWR	3-750 MHz		1.4	(:1)
RF Power Input	3-750 MHz			0.5 W

Note:** Mainline loss includes theoretical coupled power loss of 0.405 dB at 10.5 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	3
75Ω TERM. EXTERNAL	4
GROUND	2
NOT USED	5



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