

Directional Coupler

ADC-ED10778/2

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

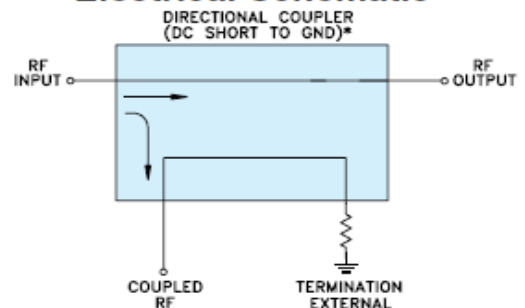
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		40		1000	MHz
Coupling	Nominal		16.2 ± 0.5		dB
	Flatness		± 0.5		dB
Mainline Loss **	40-400 MHz		0.74		dB
	400-500 MHz		0.80		dB
	500-1000 MHz		0.83		dB
Directivity	40-400 MHz		38		dB
	400-500 MHz		27		dB
	500-1000 MHz		26		dB
VSWR	40-1000 MHz		1.2		(:1)
RF Power Input	40-1000 MHz			0.5	W

Notes: **Mainline loss includes theoretical coupled power loss of 0.105 dB at 16.2 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	2
NOT USED	5

Electrical Schematic



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