

Directional Coupler

ADC-ED12322/1

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

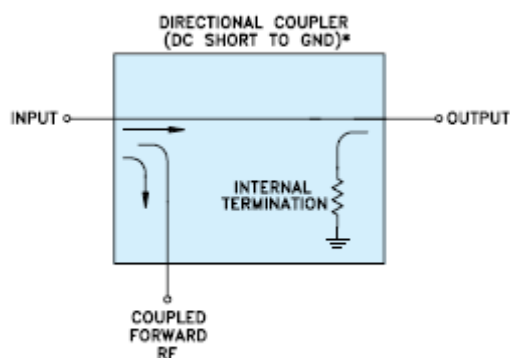
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		10		550	MHz
Coupling	Nominal		15 ± 1		dB
	Flatness		± 0.31		dB
Mainline Loss**	10-100 MHz		0.60		dB
	100-275 MHz		0.65		dB
	275-550 MHz		0.75		dB
Directivity	10-100 MHz		22		dB
	100-275 MHz		18		dB
	275-550 MHz		14		dB
VSWR			1.2		(:1)
RF Power Input				1.0	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.1395 dB at 15 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

PIN CONNECTIONS	
INPUT	1
OUTPUT	4
COUPLED FORWARD	3
NOT USED	2,5
GROUND	6

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.