

Directional Coupler

ADC-ED12367/1

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

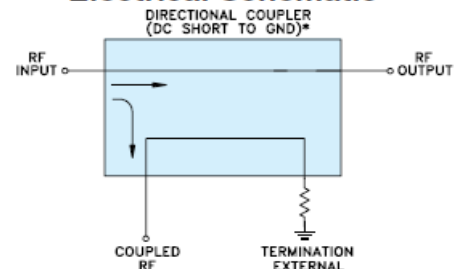
ELECTRICAL SPECIFICATIONS 50/75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		.3		1140	MHz
Coupling	Nominal		12.4±03		dB
	Flatness		±0.29		dB
Mainline Loss**	.3-3 MHz		0.86		dB
	3-570 MHz		0.72		dB
	570-1140 MHz		1.15		dB
Directivity	.3-3 MHz		13		dB
	3-570 MHz		12		dB
	570-1140 MHz		11		dB
VSWR	3-1140 MHz		1.18		(:1)
RF Power Input	3-1140 MHz			1.0	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.257 dB at 12.4 dB coupling.

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

PIN CONNECTIONS	
INPUT (Impedance: 75Ω)	1
OUTPUT (Impedance: 75Ω)	6
COUPLED (Impedance: 50Ω)	3
GND	2
50Ω TERM EXTERNAL	4
ISOLATE (ISOLATE)	5

Electrical Schematic



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