

Directional Coupler

ADC-ED9945/1

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

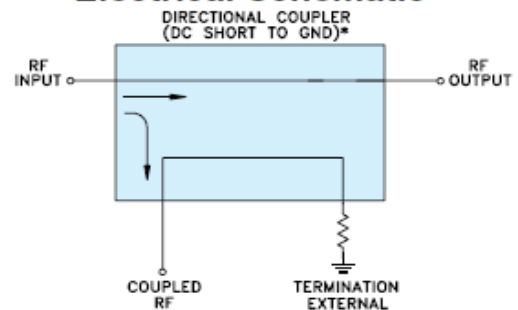
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1		900 MHz
Coupling	Nominal		20.0 ± 0.5	dB
	Flatness		± 0.8	dB
Mainline Loss **	1-10 MHz		0.20	dB
	10-450 MHz		0.25	dB
	450-900 MHz		0.30	dB
Directivity	1-10 MHz		22	dB
	10-450 MHz		23	dB
	450-900 MHz		24	dB
VSWR	1-900 MHz		1.20	(:1)
RF Power Input	1-900 MHz			1.0 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
50Ω TERM. EXTERNAL	4
GROUND	2
ISOLATE	5

Electrical Schematic



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