

Engineering Development Model

Directional Coupler

RC-ED12494/1

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 : AT224

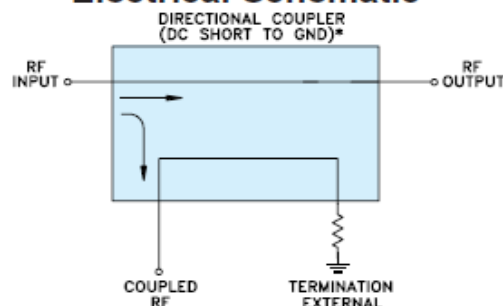
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		5		1000 MHz
Coupling	Nominal		12.7 ± 0.5	dB
	Flatness		± 0.53	dB
Mainline Loss **	5-50 MHz		0.76	dB
	50-500 MHz		0.65	dB
	500-1000 MHz		0.71	dB
Directivity	5-50 MHz		21	dB
	50-500 MHz		17	dB
	500-1000 MHz		12	dB
VSWR	5-1000 MHz		1.15	(:1)
RF Power Input	5-1000 MHz			100 mW

Note: ** Mainline loss includes theoretical coupled power loss of 0.2397dB at 12.7dB coupling.

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

PIN CONNECTIONS	
INPUT	3
OUTPUT	4
COUPLED FORWARD	1
NOT USED	5
TERMINATION 75Ω	6
GROUND	2

Electrical Schematic



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



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IF/RF MICROWAVE COMPONENTS



REV. X1
RC-ED12494/1
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Page 1 of 1