Directional Coupler

ADC-ED10553/1

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 75Ω/50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency		10		1000	MHz
Coupling	Nominal		6.0 ± 1.0		dB
	Flatness		± 1.0		dB
Mainline Loss **	10-100 MHz		1.90		dB
	100-500 MHz		2.85		dB
	500-1000 MHz		3.20		dB
Directivity	10-100 MHz		17		dB
	100-500 MHz		17		dB
	500-1000 MHz		14		dB
VSWR	10-1000 MHz		1.4		(:1)
RF Power Input	10-1000 MHz			0.5	W

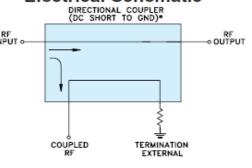
Notes: **Mainline loss includes theoretical coupled power loss of 1.256 dB at 6 dB coupling.

Input and coupled ports impedance: 75 ohms; Output port impedance: 50 ohms

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.