

Directional Coupler

TCD-ED12623/2

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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : AT224-1

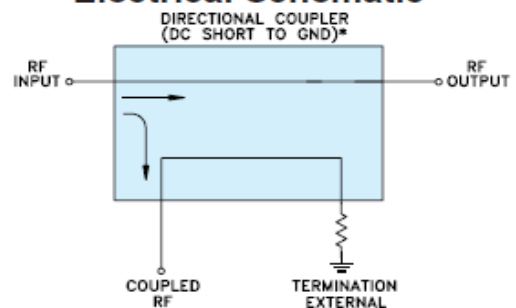
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		5		1000	MHz
Coupling	Nominal		10.00		dB
	Flatness		± 0.215		dB
Mainline Loss **	5-50 MHz		1.00		dB
	50-500 MHz		1.10		dB
	500-1000 MHz		1.30		dB
Directivity	5-50 MHz		23		dB
	50-500 MHz		20		dB
	500-1000 MHz		14		dB
VSWR	5-1000 MHz		1.25		(:1)
RF Power Input	5-1000 MHz			0.5	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.458dB at 10dB 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
NOT USED	5
50Ω TERM. EXTERNAL	4
GROUND	2

Electrical Schematic



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