

Directional Coupler

DBTC-ED10793/1

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 : AT790-1

ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		0.1		1100	MHz
Coupling	Nominal		21.0 ± 1.0		dB
	Flatness		± 1.0		dB
Mainline Loss **	0.1-1 MHz		0.90		dB
	1-550 MHz		0.50		dB
	550-1100 MHz		0.60		dB
Directivity	0.1-1 MHz		14		dB
	1-550 MHz		20		dB
	550-1100 MHz		20		dB
VSWR	0.1-1100 MHz		1.4		(:1)
RF Power Input	0.1-1100 MHz			1.0	W

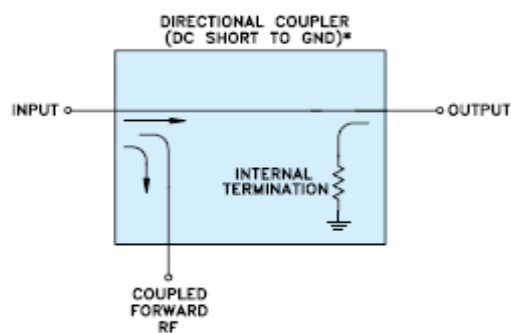
Note: ** Mainline loss includes theoretical coupled power loss of 0.035 dB at 21 dB coupling.

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
GROUND	2
NOT USED***	5, 6

***Pin 5 & 6 must be isolated

Electrical Schematic



* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) THAT ROUTES DC FROM RF PORTS TO GROUND.