

Directional Coupler

DBTC-ED12343/1

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 : AT1030

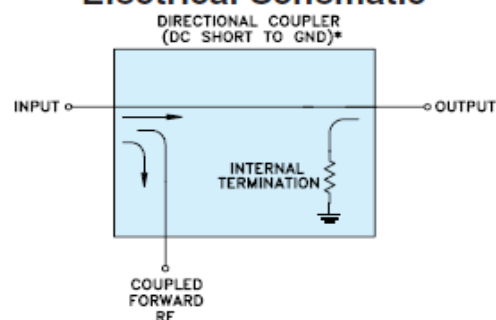
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		1		1200	MHz
Coupling	Nominal		12.3±0.3		dB
	Flatness		±0.42		dB
Mainline Loss **	1-10 MHz		1.00		dB
	10-600 MHz		1.00		dB
	600-1200 MHz		1.30		dB
Directivity	1-10 MHz		29		dB
	10-600 MHz		35		dB
	600-1200 MHz		21		dB
VSWR	1-1200 MHz		1.37		(:1)
RF Power Input	1-50 MHz			0.5	W
	50-1200 MHz			1.0	

Note: ** Mainline loss includes theoretical coupled power loss of 0.263 dB at 12.3 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	1
GROUND	2
ISOLATE (DO NOT USE)	6

Electrical Schematic



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