

Engineering Development Model

Directional Coupler

DBTC-ED12526/1

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.

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



CASE STYLE : AT790-1

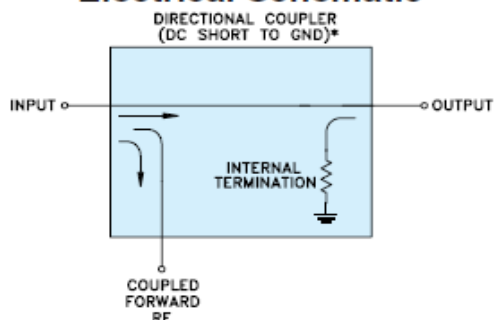
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		10		800 MHz
Coupling	Nominal		7±0.2	dB
	Flatness		±0.04	dB
Mainline Loss **	10-100 MHz		2.12	dB
	100-400 MHz		2.17	dB
	400-800 MHz		2.18	dB
Directivity	10-100 MHz		33	dB
	100-400 MHz		32	dB
	400-800 MHz		25	dB
VSWR	10-800 MHz		1.25	(:1)
RF Power Input	10-100 MHz			0.5 W
	100-800 MHz			1.0

Note: **Mainline loss includes theoretical coupled power loss of 0.966 dB at 7 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.