

Directional Coupler

JDC-ED12163/1

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 : BH292

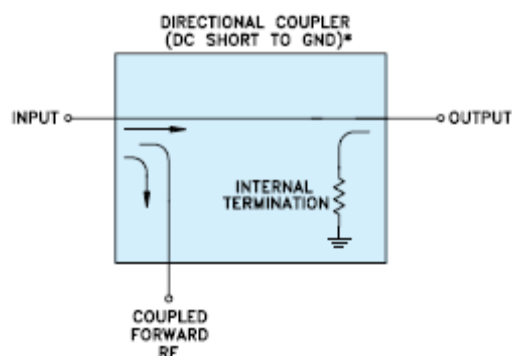
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		2		500	MHz
Coupling	Nominal		19.5 ± 0.5		dB
	Flatness		± 0.095		dB
Mainline Loss **	2-20 MHz		0.50		dB
	20-250 MHz		0.50		dB
	250-500 MHz		0.60		dB
Directivity	2-20 MHz		27		dB
	20-250 MHz		26		dB
	250-500 MHz		23		dB
VSWR	2-500 MHz		1.1		(:1)
RF Power Input	2-500 MHz			0.5	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.049 dB at 19.5 dB 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	4
GROUND	2,5

Electrical Schematic



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