

Directional Coupler

JDC-ED5508A

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

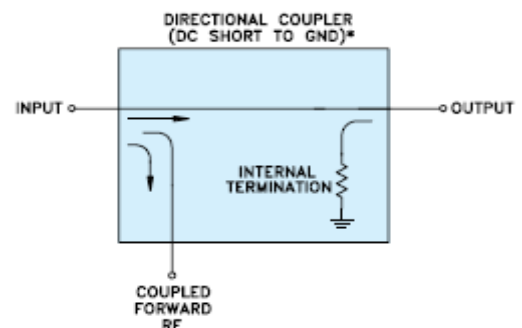
ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		3		1400	MHz
Coupling	Nominal		10.5 ± 0.5		dB
	Flatness		± 0.2		dB
Mainline Loss **	3-30 MHz		1.30		dB
	30-700 MHz		1.25		dB
	700-1400 MHz		1.50		dB
Directivity	3-30 MHz		23		dB
	30-700 MHz		25		dB
	700-1400 MHz		20		dB
VSWR	3-1400 MHz		1.2		(:1)
RF Power Input	3-1400 MHz			0.5	W

Note: ** Mainline loss includes theoretical coupled power loss of 0.405 dB at 10.5 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
GROUND	2, 5
ISOLATE	4

Electrical Schematic



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