

Directional Coupler

RACK-ED10942/1

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 : 99-01-976

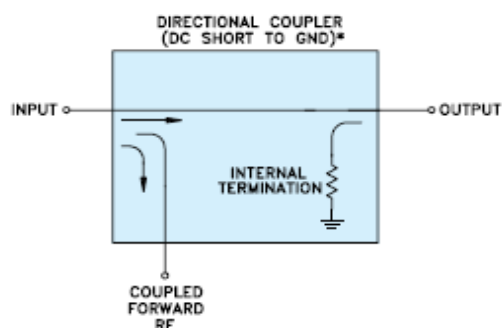
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1700		2000 MHz
Coupling	Nominal		40 ± 1	dB
	Flatness		± 0.35	dB
Mainline Loss *	1700-2000 MHz		0.15	dB
Directivity	1700-2000 MHz		22	dB
VSWR	1700-2000 MHz		1.15	(:1)
RF Power Input	1700-2000 MHz			50 W

Note: * Mainline loss includes theoretical coupled power loss of 0.00043 dB at 40 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C

COAXIAL CONNECTIONS	
INPUT	SMA, PLUG
OUTPUT	N TYPE, JACK
COUPLED	DIN 1.0/2.3, JACK

Electrical Schematic



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