

Engineering Development Model

Directional Coupler

RACK-ED10942A/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

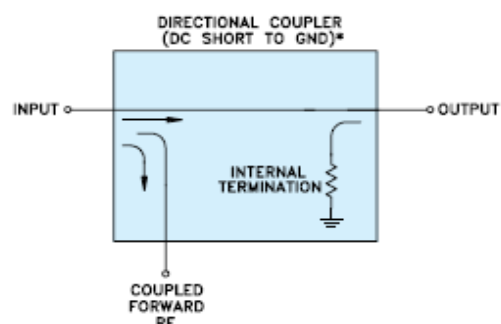
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		1750		1950 MHz
Coupling	Nominal		40 ± 1	dB
	Flatness		± 0.30	dB
Mainline Loss *	1750-1950 MHz		0.20	dB
Directivity	1750-1950 MHz		25	dB
VSWR	1750-1950 MHz		1.05	(:1)
Power Input	1750-1950 MHz			50 W

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	J3: SMA, PLUG
OUTPUT	J1: N TYPE, JACK
COUPLED	J2: 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.