

Engineering Development Model

Directional Coupler** 3ZN10DBED12990A1

** 3 Couplers with DIN connectors

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 : 99-01-961

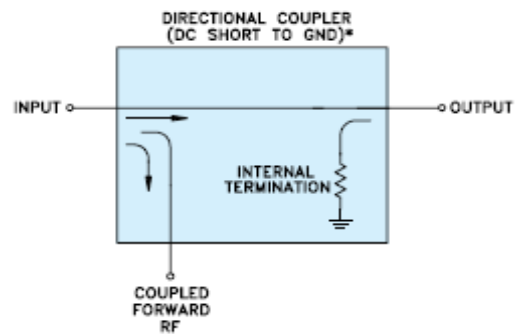
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		525		1075	MHz
Coupling	Nominal		10 ± 1		dB
	Flatness		± 0.70		dB
Mainline Loss ***	525-1075 MHz		0.70		dB
Directivity	525-1075 MHz		23		dB
VSWR	525-1075 MHz		1.11		(:1)
RF Power Input	525-1075 MHz			0.2	W

Note: *** Mainline loss includes theoretical coupled power loss of 0.458 dB at 10 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-5°C to 85°C
Storage Temperature	-40°C to 85°C

COAXIAL CONNECTIONS	
INPUT 1	J1
OUTPUT 1	J3
COUPLED 1	J2
INPUT 2	J4
OUTPUT 2	J6
COUPLED 2	J5
INPUT 3	J7
OUTPUT 3	J9
COUPLED 3	J8

Electrical Schematic



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