

Engineering Development Model

Directional Coupler

ZFDC-ED13365/1

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.



Please click "Back", and then click "Contact Us" for Applications support.

BNC VERSION SHOWN
CASE STYLE : K18

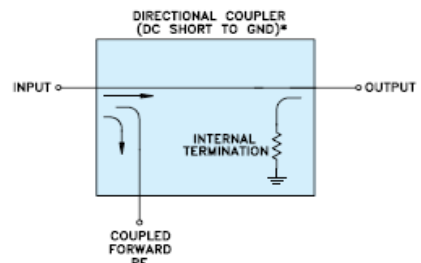
ELECTRICAL SPECIFICATIONS 50 Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		6		3000	MHz
Coupling	Nominal		20.9 $\pm$ 1		dB
	Flatness		1.5		dB
Mainline Loss*	6-60 MHz		0.40		dB
	60-1500 MHz		0.50		dB
	1500-3000 MHz		1.10		dB
Directivity	6-60 MHz		26		dB
	60-1500 MHz		24		dB
	1500-3000 MHz		20		dB
VSWR (Input & Output)	6-3000 MHz		1.25		(:1)
VSWR (CPL)	6-3000 MHz		1.50		(:1)
RF Power Input	6-3000 MHz			1	W

Note: * Mainline loss includes theoretical coupled power loss of .035 dB at 20.9 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C

COAXIAL CONNECTIONS	
INPUT	3
OUTPUT	1
COUPLED	2

Electrical Schematic



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