

Directional Coupler

ZFDC-ED13361/1

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 : K18

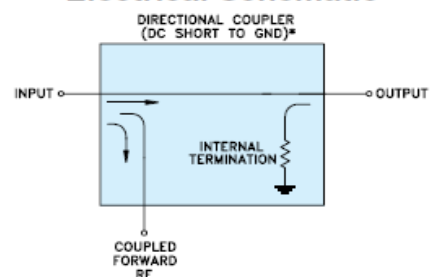
ELECTRICAL SPECIFICATIONS 50 Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		1		2100	MHz
Coupling	Nominal		10.3 $\pm$ 0.5		dB
	Flatness		$\pm$ 0.5		dB
Mainline Loss*	1-10 MHz		1.45		dB
	10-1050 MHz		1.40		dB
	1050-2100 MHz		1.80		dB
Directivity	1-10 MHz		25		dB
	10-1050 MHz		27		dB
	1050-2100 MHz		21		dB
VSWR	1-2100 MHz		1.15		(:1)
RF Power Input	1-50 MHz			0.50	W
	50-2100 MHz			1.00	

Note: * Mainline loss includes theoretical coupled power loss of .425 dB at 10.3 dB coupling.

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

COAXIAL CONNECTIONS	
INPUT	1
OUTPUT	2
COUPLED FORWARD	3

Electrical Schematic



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