

Directional Coupler

ZADC-ED16177/1

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 : CC51-1

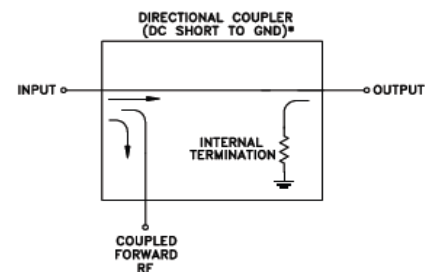
ELECTRICAL SPECIFICATIONS 75/50Ω @ +25°C				
Parameter		Min.	Typ.	Max.
Frequency		5		100
Coupling	Nominal		31.3 +/-0.5	
	Flatness		+/-0.4	
Mainline Loss *	5 MHz		0.1	
	100 MHz		0.2	
Directivity	5 MHz		16	
	100 MHz		12	
VSWR	5-100 MHz		1.2	
VSWR	5-100 MHz			2
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Note: * Mainline loss includes theoretical coupled power loss of 0.003dB at 31.5dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C

COAXIAL CONNECTIONS	
INPUT (75 Ω, N female)	1
OUTPUT (75 Ω, N female)	3
COUPLED (50 Ω, SMA female)	2

Electrical Schematic



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