

Directional Coupler

SYD-ED11713/2

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 : AH202

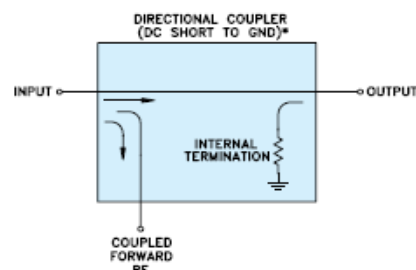
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		30		3000	MHz
Coupling	Nominal		20.8 ± 0.65		dB
	Flatness		± 1.4		dB
Mainline Loss *	30-300 MHz		0.90		dB
	300-1500 MHz		1.10		dB
	1500-3000 MHz		1.50		dB
Directivity	30-300 MHz		16		dB
	300-1500 MHz		17		dB
	1500-3000 MHz		21		dB
VSWR	30-3000 MHz		1.2		(:1)
Power Input	30-3000 MHz			1	W

Note: * Mainline loss includes theoretical coupled power loss of 0.036 dB at 20.8 dB coupling.

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

PIN CONNECTIONS	
INPUT	8
OUTPUT	1
COUPLED	5
GROUND	2,3,4,6,7

Electrical Schematic



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