

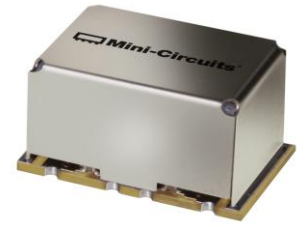
## Directional Coupler

## SYDC-ED14628

### 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 : AH1647

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		136		870	MHz
Coupling	Nominal		25±1.5		dB
	Flatness		1.9		dB
Mainline Loss *	136-870 MHz		0.3		dB
Directivity	136-870 MHz		19.7		dB
VSWR	136-870 MHz		1.2		(:1)
RF Power Input	136-870 MHz			50	W

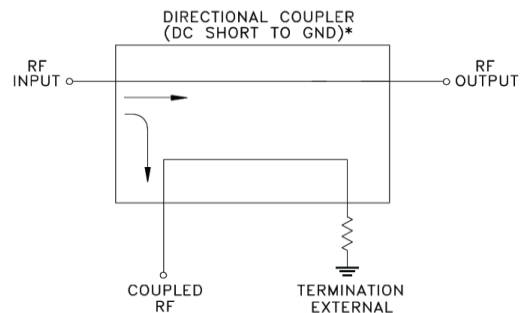
\*Mainline loss includes theoretical coupled power loss of 0.014 dB at 25 dB coupling.

MAXIMUM RATINGS	
Operating Temperature	-40°C to 65°C Case <sup>(1)</sup>
Storage Temperature	-55°C to 100°C

<sup>(1)</sup>Case temperature is defined as temperature on ground leads

PIN CONNECTIONS	
INPUT	1
OUTPUT	8
COUPLED	4
50Ω TERM. EXTERNAL	5
GROUND	2,3,6,7

### Electrical Schematic



\* ELECTRICAL SCHEMATIC IS FOR DIRECTIONAL COUPLER WITH INTERNAL TRANSFORMER(S) AND EXTERNAL TERMINATION.