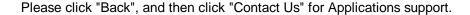
## **Directional Coupler**

## JYDC-ED11474/1

## **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.





**CASE STYLE: BJ1051** 

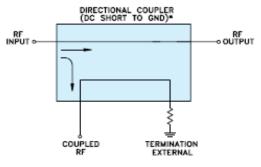
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency		30		450	MHz
Coupling	Nominal		$7.0 \pm 0.5$		dB
	<b>Flatness</b>		± 0.5		dB
Mainline Loss **	30-300 MHz		1.32		dB
	225-450 MHz		1.42		dB
Directivity	30-300 MHz		32		dB
	225-450 MHz		27		dB
VSWR	30-450 MHz		1.3		(:1)
RF Power Input	30-450 MHz			5	W

Note: \*\*Mainline loss includes theoretical coupled power loss of 0.967 dB at 7 dB coupling.

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

PIN CONNECTIONS			
INPUT	1		
OUTPUT	8		
COUPLED FORWARD	3		
50Ω TERM. EXTERNAL	6		
GROUND	2, 7		
NOT USED (ISOLATE)	4, 5		

## Electrical Schematic



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