

## Engineering Development Model

# Power Splitter/Combiner

# TCP-ED8261/1

## 2 Way-0°

### 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:DB714

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		0.5		1400	MHz
Isolation	0.5 - 5 MHz		25		dB
	5 - 700 MHz		28		dB
	700 - 1400 MHz		28		dB
Insertion Loss (Above 3.0 dB)	0.5 - 5 MHz		0.35		dB
	5 - 700 MHz		0.27		dB
	700 - 1400 MHz		0.97		dB
Phase Unbalance	0.5 - 5 MHz		2.20		deg.
	5 - 700 MHz		0.82		deg.
	700 - 1400 MHz		0.10		deg.
Amplitude Unbalance	0.5 - 5 MHz		0.42		dB
	5 - 700 MHz		0.16		dB
	700 - 1400 MHz		0.04		dB
VSWR	SUM Port		1.17		(:1)
	OUT Ports		1.28		(:1)

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

PIN CONNECTIONS (NOTE 1)	
SUM PORT	1
PORT 1	3
PORT 2	4
GND EXT	6
NOT USED	2, 3

NOTE 1: EXTERNAL RESISTOR 100Ω AND CAPACITOR 1.5pF SHOULD BE CONNECTED BETWEEN PINS 3,4.

### Functional Diagram

