

## Engineering Development Model

# Power Splitter/Combiner

# TCP-ED10349/1

## 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		20		3000	MHz
Isolation	20 - 200 MHz		30		dB
	200 - 1500 MHz		25		dB
	1500 - 3000 MHz		15		dB
Insertion Loss (Above 3.0 dB)	20 - 200 MHz		0.60		dB
	200 - 1500 MHz		0.60		dB
	1500 - 3000 MHz		0.90		dB
Phase Unbalance	20 - 200 MHz		0.02		deg.
	200 - 1500 MHz		0.75		deg.
	1500 - 3000 MHz		2.84		deg.
Amplitude Unbalance	20 - 200 MHz		0.03		dB
	200 - 1500 MHz		0.13		dB
	1500 - 3000 MHz		0.35		dB
VSWR	SUM Port		2.00		(:1)
	OUT Ports		2.00		(:1)

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

PIN CONNECTIONS (NOTE 1)	
SUM PORT	6, 5, 2
PORT 1	3
PORT 2	4
GND EXT	0

NOTE 1: EXTERNAL RESISTOR 475Ω SHOULD BE CONNECTED BETWEEN PINS 3,4.

### Functional Diagram

