

Engineering Development Model

Power Splitter/Combiner

TCP-ED12111/1

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		2		1000 MHz
Isolation	2 - 20 MHz		37	dB
	20 - 500 MHz		32	dB
	500 - 1000 MHz		23	dB
Insertion Loss (Above 3.0 dB)	2 - 20 MHz		0.30	dB
	20 - 500 MHz		0.30	dB
	500 - 1000 MHz		1.00	dB
Phase Unbalance	2 - 20 MHz		0.90	deg.
	20 - 500 MHz		0.15	deg.
	500 - 1000 MHz		0.40	deg.
Amplitude Unbalance	2 - 20 MHz		0.20	dB
	20 - 500 MHz		0.15	dB
	500 - 1000 MHz		0.15	dB
VSWR	SUM Port		1.13	(:1)
	OUT Ports		1.20	(:1)

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

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

NOTE 1: EXTERNAL RESISTOR 100Ω SHOULD BE CONNECTED BETWEEN PIN 3,4.

Functional Diagram

