

# Engineering Development Model

## Power Splitter/Combiner

## JCPS-ED7410/1

8 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 : BG291**

ELECTRICAL SPECIFICATIONS 75Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
<b>Frequency</b>		1		1000	MHz
<b>Isolation</b>	1 - 10 MHz		37		dB
	10 - 500 MHz		30		dB
	500 - 1000 MHz		23		dB
<b>Insertion Loss Above 9.0 dB</b>	1 - 10 MHz		0.87		dB
	10 - 500 MHz		0.96		dB
	500 - 1000 MHz		1.62		dB
<b>Phase Unbalance</b>	1 - 10 MHz		0.182		deg.
	10 - 500 MHz		1.052		deg.
	500 - 1000 MHz		5.177		deg.
<b>Amplitude Unbalance</b>	1 - 10 MHz		0.023		dB
	10 - 500 MHz		0.121		dB
	500 - 1000 MHz		0.266		dB
<b>VSWR</b>	SUM Port		1.26		(:1)
	OUT Ports		1.27		(:1)

**Note:** Denotes 75 Ohm model, for coax connector models 75 Ohm BNC connectors are standard.

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

PIN CONNECTIONS	
SUM PORT	1
PORT 1	3
PORT 2	4
PORT 3	5
PORT 4	6
PORT 5	9
PORT 6	10
PORT 7	11
PORT 8	12
GND EXT	2,7,8,13,14

### Functional Diagram

