

Engineering Development Model

Power Splitter/Combiner

PSC-ED5825A/1

12 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 : E10

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		2.8		375	MHz
Isolation	2.8 - 28 MHz		52		dB
	28 - 187.5 MHz		45		dB
	187.5 - 375 MHz		38		dB
Insertion Loss Above 10.8 dB	2.8 - 28 MHz		0.48		dB
	28 - 187.5 MHz		0.71		dB
	187.5 - 375 MHz		1.09		dB
Phase Unbalance	2.8 - 28 MHz		0.234		deg.
	28 - 187.5 MHz		1.178		deg.
	187.5 - 375 MHz		3.210		deg.
Amplitude Unbalance	2.8 - 28 MHz		0.030		dB
	28 - 187.5 MHz		0.064		dB
	187.5 - 375 MHz		0.253		dB
VSWR	SUM Port		1.12		(:1)
	OUT Ports		1.15		(:1)

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

PIN CONNECTIONS	
SUM PORT	5
PORT 1	7
PORT 2	8
PORT 3	1
PORT 4	2
PORT 5	31
PORT 6	32
PORT 7	25
PORT 8	26
PORT 9	22
PORT 10	30
PORT 11	19
PORT 12	27
GND EXT	4
CASE GND	all other pins
NOT USED	11, 14, 21

Functional Diagram

