

Engineering Development Model

Power Splitter/Combiner

SCPJ-ED8294/1

2 Way-180°

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 : YY161

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		30		1050 MHz
Isolation	30 - 300 MHz		25	dB
	300 - 525 MHz		21	dB
	525 - 1050 MHz		19	dB
Insertion Loss Above 3.0 dB	30 - 300 MHz		0.72	dB
	300 - 525 MHz		1.10	dB
	525 - 1050 MHz		1.60	dB
Phase Unbalance	30 - 300 MHz		0.035	deg.
	300 - 525 MHz		0.611	deg.
	525 - 1050 MHz		3.048	deg.
Amplitude Unbalance	30 - 300 MHz		0.353	dB
	300 - 525 MHz		0.208	dB
	525 - 1050 MHz		0.168	dB
VSWR	SUM Port		1.41	(:1)
	OUT Ports		1.40	(:1)

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

PIN CONNECTIONS	
SUM PORT	1
PORT 1	5
PORT 2	6
GND EXT	2, 3, 4, 7, 8
CASE GND	2, 3, 4, 7, 8

Functional Diagram

