

Surface Mount Power Splitter/Combiner

SCP-4-122-75+

4 Way-0° 75Ω 5 to 1250 MHz



CASE STYLE: YY161

Features

- wideband, 5 to 1250 MHz
- high isolation, 25 dB typ
- excellent amplitude unbalance, 0.4 dB typ.

Applications

- DOCSIS® 3.1 Systems
- cellular
- CATV
- receivers/transmitters

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications at 25°C

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		5		1250	MHz
Insertion Loss, above 6.0 dB	5-100	—	0.6	1.0	dB
	100-1000	—	1.1	1.9	
Isolation	1000-1250	—	2.0	2.9	dB
	5-1000	16	25	—	
Phase Unbalance	1000-1250	14	18	—	dB
	5-100	—	1.0	3.0	
Amplitude Unbalance	100-1000	—	6.0	12.0	Degree
	1000-1250	—	9.0	16.0	
VSWR (Port S)	5-1000	—	0.5	0.9	dB
	1000-1250	—	0.9	1.5	
VSWR (Port 1 - 4)	5-1000	1.32	1.22	—	:1
	1000-1250	1.49	1.28	—	
VSWR (Port 1 - 4)	5-1000	1.57	1.28	—	:1
	1000-1250	2.32	1.57	—	

Maximum Ratings

Parameter	Ratings
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.
Internal Dissipation	0.375W max.

Permanent damage may occur if any of these limits are exceeded.

Pin Connections

Function	Pin Number
SUM PORT	3
PORT 1	2
PORT 2	4
PORT 3	6
PORT 4	8
GND	1,5,7

Electrical Schematic



