

Power Splitter/Combiner SBTC-2-107550X+

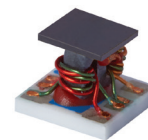
2 Way-0° 50/75Ω 5 to 1000 MHz

Features

- 75 ohm input, 50 ohm output
- excellent isolation, 24 dB typ.
- very good phase unbalance, 1.0 deg. typ.
- small size, 0.15"x0.15"x0.15"
- temperature stable LTCC base
- small size
- low cost
- aqueous washable
- protected by US patent 6,963,255

Applications

- cable
- 50-75 ohm amplifier splitter



Generic photo used for illustration purposes only

CASE STYLE: AT1667

+RoHS Compliant

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



Reel Size
13"

Available Tape and Reel
at no extra cost

Devices/Reel
500

Electrical Specifications

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		50		1000	MHz
Insertion Loss Above 3.0 dB	5 - 50	—	0.5	1.3	dB
	50 - 500	—	0.6	1.1	
	500 - 1000	—	0.7	1.5	
Isolation	5 - 50	13	23	—	dB
	50 - 500	20	24	—	
	500 - 1000	20	26	—	
Phase Unbalance	5 - 50	—	—	6	Degree
	50 - 500	—	—	3	
	500 - 1000	—	—	5	
Amplitude Unbalance	5 - 50	—	—	0.8	dB
	50 - 500	—	—	0.5	
	500 - 1000	—	—	0.5	

Maximum Ratings

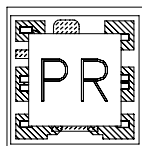
Parameter	Ratings
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	0.5W max.
Internal Dissipation	0.125W max

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

Pin Connections

Function	Pin Number
SUM PORT	6 (75 ohms)
PORT 1	3 (50 ohms)
PORT 2	4 (50 ohms)
GROUND	1,2
NOT USED	5

Product Marking



Electrical Schematic



