

## Engineering Development Model

# Power Splitter/Combiner

# SBTC-ED12456/1

## 2 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 : AT790

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		5		1000 MHz
Isolation	5 - 50 MHz		30	dB
	50 - 500 MHz		28	dB
	500 - 1000 MHz		21	dB
Insertion Loss Above 3.0 dB	5 - 50 MHz		0.20	dB
	50 - 500 MHz		0.30	dB
	500 - 1000 MHz		0.70	dB
Phase Unbalance	5 - 50 MHz		0.356	deg.
	50 - 500 MHz		0.468	deg.
	500 - 1000 MHz		0.613	deg.
Amplitude Unbalance	5 - 50 MHz		0.135	dB
	50 - 500 MHz		0.098	dB
	500 - 1000 MHz		0.071	dB
VSWR	SUM Port		1.05	(:1)
	OUT Ports		1.12	(:1)

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

PIN CONNECTIONS	
SUM PORT	6
PORT 1	3
PORT 2	4
GND EXT	1, 2
NOT USED	5

### Functional Diagram

