

## Non-Catalog Model

# Power Splitter/Combiner

# TO5SC-2-1

## 2 Way-0°



### Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.

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**CASE STYLE : PP163**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		1		500	MHz
Isolation	1 - 10 MHz	20	30		dB
	10 - 250 MHz	20	28		dB
	250 - 500 MHz	20	26		dB
Insertion Loss Above 3.0 dB	1 - 10 MHz		0.20	0.50	dB
	10 - 250 MHz		0.30	0.70	dB
	250 - 500 MHz		0.70	1.50	dB
Phase Unbalance	1 - 10 MHz		0.230	2.000	deg.
	10 - 250 MHz		0.070	1.000	deg.
	250 - 500 MHz		0.113	2.500	deg.
Amplitude Unbalance	1 - 10 MHz		0.074	0.250	dB
	10 - 250 MHz		0.082	0.250	dB
	250 - 500 MHz		0.086	0.400	dB
VSWR	SUM Port		1.03		(:1)
	OUT Ports		1.06		(:1)

**Notes:** Matched power rating: 1 Watt.  
Internal load dissipation: 0.125 Watt.

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

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

### Functional Diagram

