

## Engineering Development Model

# Power Splitter/Combiner

### 4 Way-0°

## SY4PS-ED13919/3

### 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.



Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : 99-01-1482

### ELECTRICAL SPECIFICATIONS 75Ω @ +25°C

Parameter		Min.	Typ.	Max.	Units
Frequency		5		3000	MHz
Isolation	5-50 MHz		23		dB
	50-1500 MHz		20		dB
	1500-3000 MHz		18		dB
Insertion Loss Above 6.0 dB	5-50 MHz		2.0		dB
	50-1500 MHz		1.8		dB
	1500-3000 MHz		3.5		dB
Phase Unbalance	5-50 MHz		0.5		deg.
	50-1500 MHz		1.0		deg.
	1500-3000 MHz		10.0		deg.
Amplitude Unbalance	5-50 MHz		0.10		dB
	50-1500 MHz		0.10		dB
	1500-3000 MHz		0.60		dB
VSWR	SUM Port		1.30		(:1)
	OUT Ports		1.60		(:1)

### MAXIMUM RATINGS

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

### PIN CONNECTIONS

SUM PORT	4
PORT 1	10
PORT 2	12
PORT 3	14
PORT 4	16
GND	1,2,3,5,6,7,8,9,11,13,15,17,18

### Functional Diagram



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site  
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

REV. X1  
SY4PS-ED13919/3  
10/7/2011  
Page 1 of 1