

# 2 Way Power Splitter/Combiner

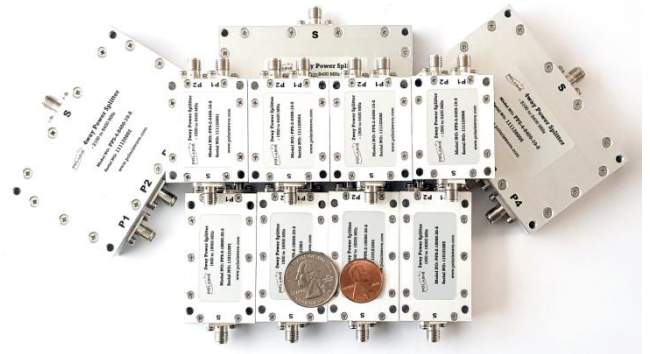
PPS-2-18000-30-S



1500 to 18000 MHz, 0°, 50Ω

## Features

- ❖ Ultra Wide Frequency Range
- ❖ Excellent Amplitude Unbalance
- ❖ Excellent Phase Unbalance
- ❖ Low Insertion Loss
- ❖ High Isolation
- ❖ Compact Size



## Product Family



## PPS-2-18000-30-S

## Applications

- ❖ WiFi
- ❖ SATCOM & Defense Communications
- ❖ Mobile Communication Systems
- ❖ Instruments

## Specifications

Parameter	Unit	Min.	Typ.	Max.	Frequency (MHz)
Frequency Range	MHz	1500		18000	
Insertion Loss above 3.0 dB	dB	-	0.4	0.8	1500 – 8000
		-	0.8	1.2	8000 – 13000
		-	1.0	1.5	13000 – 17000
		-	1.7	2.5	17000 – 18000
Isolation	dB	18	22	-	1500 – 8000
		15	20	-	8000 – 13000
		15	20	-	13000 – 17000
		-	13	-	17000 – 18000
Phase Unbalance	Degree	-	1	4	1500 – 8000
		-	2	5	8000 – 13000
		-	4	9	13000 – 17000
		-	4	9	17000 – 18000
Amplitude Unbalance	dB	-	0.1	0.3	1500 – 8000
		-	0.2	0.4	8000 – 13000
		-	0.2	0.6	13000 – 17000
		-	0.4	0.9	17000 – 18000
VSWR	Port S	-	1.3	1.6	1500 – 8000
		-	1.5	1.8	8000 – 13000
		-	1.6	-	13000 – 17000
		-	2.0	-	17000 – 18000
	Port 1-2	-	1.3	1.6	1500 – 8000
		-	1.5	1.8	8000 – 13000
		-	1.6	-	13000 – 17000
		-	1.7	-	17000 – 18000

# 2 Way Power Splitter/Combiner

PPS-2-18000-30-S



1500 to 18000 MHz, 0°, 50Ω

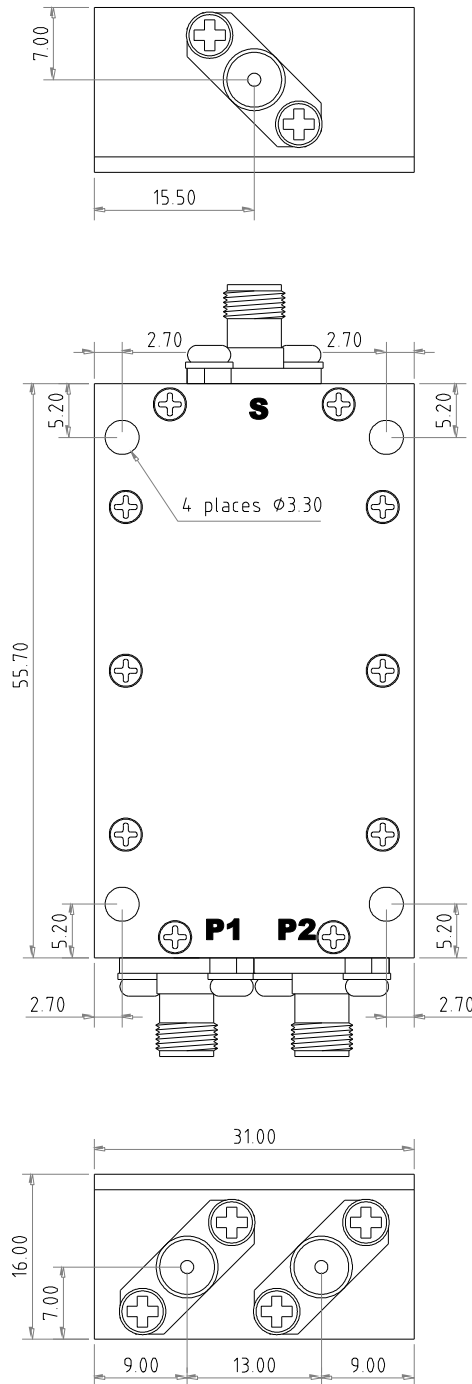
## Specifications

Parameter		Unit	Min.	Typ.	Max.	Frequency (MHz)
Power Handing	As Splitter	W	-	-	30	1500 – 8000
			-	-	16	8000 – 13000
			-	-	12	13000 – 17000
			-	-	10	17000 – 18000
	As Combiner	W	-	-	1.0	1500 – 18000
Operating Temperature		°C	-40 -40		60 85	<30 W <10 W
Size (W x L x H)		mm	31.0 x 55.7 x 16.0			
Connectors	Sum Port	-	SMA-Jack			
	P1 – P2 Port	-	SMA-Jack			

## Outline Drawing

1500 to 18000 MHz, 0°, 50Ω

Dimensions are in millimeters.



- Address: #1913, Anam tower, 311 Teheran-ro, Gangnam-gu, Seoul, Republic of Korea
- Tel: +82-2-2009-2120
- e-mail: [info@polariswave.com](mailto:info@polariswave.com)
- web: [www.polariswave.com](http://www.polariswave.com)