

# WPD0010A

10 – 1000 MHz, Power Divider/Combiner, 2-way, 0 Degree

April 2013, REV B



## Key Features

- Wide band, 10 - 1000 MHz
- Low insertion loss, 0.50 dB typ.
- High isolation, 20 dB min.
- Excellent VSWR, 1.22:1 typ.
- 0 degree
- Precision machined housing
- RoHS compliant

## Applications

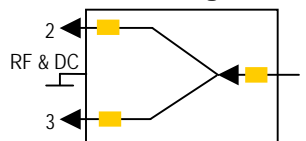
- IP<sub>3</sub> Measurement
- Land radio
- RF bench test
- Mobile base station applications



## Absolute Maximum Ratings

Input Power (at port 1)	20 dBm
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C

## Functional Block Diagram



## Ordering Information

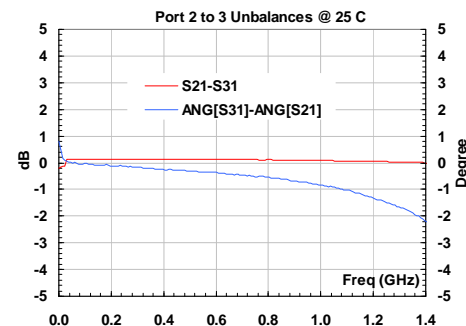
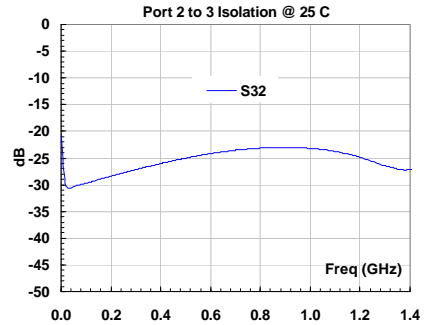
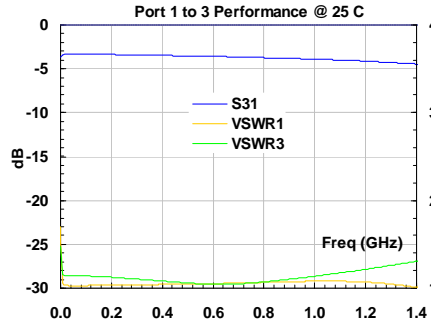
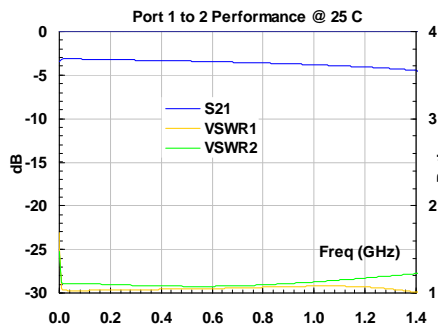
Model	Connectors
WPD0010A	SMA Female

Marking: WPD0010A

## Specifications (Tested at +25°C)

Item	Symbol	Test Constraints	Min	Typ	Max	Unit
Frequency Range	BW	50 Ohm Impedance	10		1000	MHz
Insertion Loss	S <sub>21</sub> , S <sub>31</sub>	10 – 1000 MHz, above 3 dB		0.5	1.2	dB
Isolation	S <sub>23</sub>	10 – 1000 MHz, 50 Ohm load at port C		20		dB
VSWR	SWR <sub>i</sub>	10 – 1000 MHz, all ports		1.22:1	1.5:1	Ratio
Amplitude Unbalance	S <sub>21</sub> – S <sub>31</sub>			0.2	1.0	dB
Phase Unbalance	S <sub>21</sub> – S <sub>31</sub>	10 – 1000 MHz		1	5	Deg
Power Handling	P <sub>MAX</sub>	10 – 1000 MHz, CW			20.0	dBm
Operating Temp	T <sub>o</sub>		-40		+85	°C

## Typical Performance



## Outline, IP-1

