

WPD0727A

0.7 – 2.7 GHz, Power Divider/Combiner, 2-way, 0 Degree

April 2013, REV B



Key Features

- Wide band, 0.7 ~ 2.7 GHz
- Low insertion loss, 0.50 dB typ.
- High isolation, 18 dB min.
- Excellent VSWR, 1.22:1 typ.
- 0 degree Wilkinson type
- Precision machined housing
- RoHS compliant

Applications

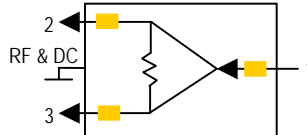
- LTE
- IP₃ measurement
- RF bench test
- Mobile base station applications



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

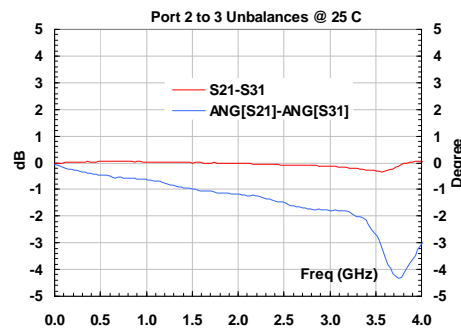
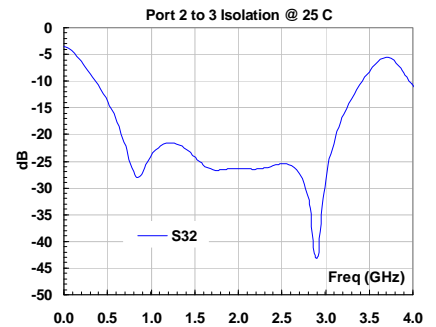
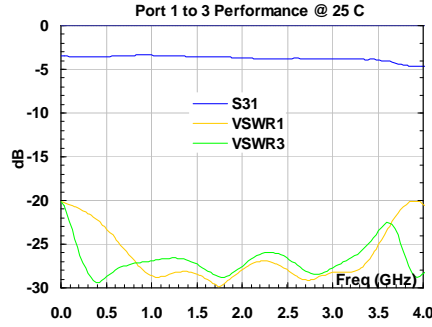
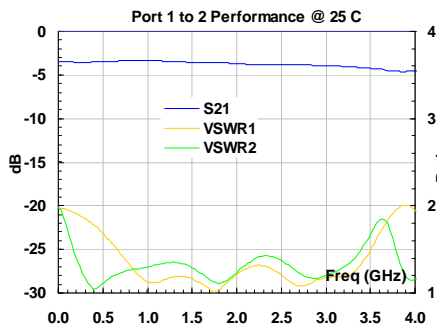
Model	Connectors
WPD0727A	SMA Female

Marking: WPD0727A

Specifications (Tested at +25°C)

Item	Symbol	Test Constraints	Min	Typ	Max	Unit
Frequency Range	BW	50 Ohm Impedance	0.7		2.7	GHz
Insertion Loss	S ₂₁ , S ₃₁	0.7 – 2.7 GHz, above 3 dB		0.5	1.2	dB
Isolation	S ₂₃	0.7 – 2.7 GHz, 50 Ohm load at port C	18			dB
VSWR	SWR _i	0.7 – 2.7 GHz, all ports		1.22:1	1.5:1	Ratio
Amplitude Unbalance	S ₂₁ – S ₃₁	0.7 – 2.7 GHz		0.2	1.0	dB
Phase Unbalance	S ₂₁ – S ₃₁	0.7 – 2.7 GHz		1	5	Deg
Power Handling	P _{MAX}	0.7 – 2.7 GHz, CW			20.0	dBm
Operating Temp	T _o		-40		+85	°C

Typical Performance



Outline, IP-1

