

2-Way, N-Jack, T-Style, 0.6-2.7 GHz, 40 Watts

- Broadband Frequency (0.698 - 2.700 GHz)
- Low Insertion Loss (0.2 dB avg)
- High Port-to-Port Isolation (30 dB avg)
- Excellent VSWR (1.10 : 1 avg)
- Outdoor Weatherproof Construction
- Tri Alloy Type N Female (Jack) Low PIM

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- Tri Alloy Type N Female (Jack) Low PIM
- Amplifier sharing
- Receiver combining
- Antenna splitting
- PCS, GSM, LTE, CELLULAR
- UMTS, LBAND, GPS, TETRA, RFID
- ISM, WiFi, WiMAX

- Operating Temp: -65C to +85C
- Power Input: 40W as splitter
- Internal Dissipation: 2 Watts
- Curren Input: 4A DC current
- IP67 Protection Rating



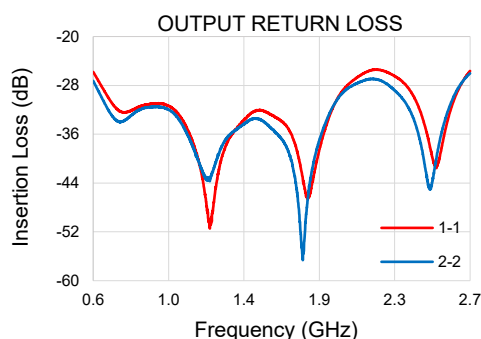
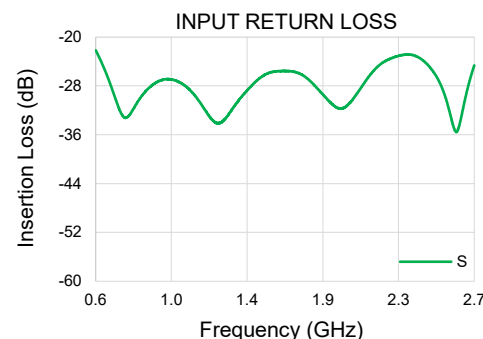
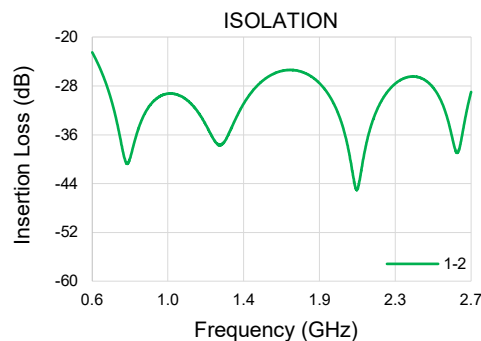
Description	Min	Typ	Max	Units
Frequency Range	698		2700	MHz
Impedance		50		Ohms
Insertion Loss (3.01 Split)			0.4	dB
22 KHz Tone:			0.5	
10 MHz BUC:			0.5	
Amplitude Balance	0	0.1	0.2	dB
Phase Balance	0	1	2	Degrees
Isolation	22	30	50	dB
Input VSWR		1.15	1.25:1	
Output VSWR		1.1	1.15:1	
DC Voltage		500	500	VDC
DC Current			4	A

Item	Description
Connectors	TYPE-N Female (Jack), 50?
Connector Body	Brass, Tri-Alloy Plate
Connector Pin	Phosphor Bronze, Gold Plate
Insulator	PTFE, Virgin Electrical Grade
Housing	Aluminum, Clear Chem Convesion Film, ROHS Compliant
Solder	Lead Free, ROHS Compliant
Protection Rating	IP67
Operating Temp	-65C To +85C
Weight	255 Grams
MTBF	Consult Factory

RF Input Power Rating (Power Divider Splitter)		
Into Matched Load VSWR's	In-Phase	180 Out-Of-Phase
1.2:1	40 Watts	40 Watts
2.0:1	40 Watts	10 Watts
Infinite	20 Watts	1 Watts

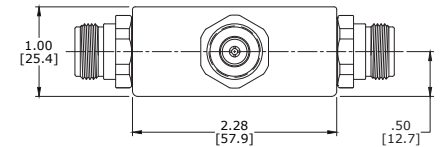
Non-Coherent Signals	2X1 Watt
Coherent Signals (In-Phase)	2X20 Watts
Coherent Signals (180 Out-Of-Phase)	2X0.5 Watts
Other Conditions - Consult Factory	

Frequency (GHz)	S1 Insertion Loss (dB)	S2 Insertion Loss (dB)
0.6	-2.15	-2.05
1.0	-2.20	-2.10
1.4	-2.25	-2.15
1.9	-2.30	-2.20
2.3	-2.35	-2.25
2.7	-3.35	-3.30



Technical drawing of the INSTOCK PD4021 Divider/Combiner. The drawing shows the front view of the device with dimensions in inches and millimeters. The device is a rectangular box with a central label that reads "INSTOCK WIRELESS PD4021 DIVIDER/COMBINER instockwireless.com". The label also features a red and black logo. The dimensions are as follows:

- Top width: .12 [2.9] inches
- Top width: 2.050 [52.07] inches
- Left side height: 2.28 [57.9] inches
- Left side height: 1.14 [29.0] inches
- Right side height: 1.62 [41.1] inches
- Right side height: .65 [16.3] inches
- Bottom width: 1.14 [29.0] inches
- Bottom width: 2.050 [52.07] inches
- Port 1 (top left): Ø.125 [Ø3.18] THRU, 2X
- Port 2 (top right): Ø.125 [Ø3.18] THRU, 2X
- Port S (bottom center): N-JACK, 3X



DC, 22 KHz, 10 MHz
& 600-2700 MHz Pass
All Ports

Connector	Model
SMA	PD4121
QMA	PD4721
TNC	PD4921
BNC	PD4521