

■ Features

- Broadband Frequency (0.600 - 3.800 GHz)
- Low Insertion Loss (0.3 dB typ)
- High Port-to-Port Isolation (30 dB typ)
- Excellent VSWR (1.10 : 1 typ)
- Outdoor Weatherproof Construction
- Tri Alloy SMA Female (Jack) 50Ω

■ Applications

- Amplifier sharing
- Receiver combining
- Antenna splitting
- PCS, GSM, LTE, CELLULAR
- UMTS, LBAND, GPS, TETRA, RFID
- ISM, WiFi, 5G, IoT, V2X, URLLC

■ Ratings

- Operating Temp: -65C to +85C
- Power Input: 40W as splitter
- Internal Dissipation: 2 Watts
- Current Input: 4A DC current
- IP51 Protection Rating

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	600		3800	MHz
Impedance		50		Ohms
Insertion Loss (3.01 Split)			0.6	dB
22 KHz Tone:			0.6	
10 MHz BUC:			0.6	
Amplitude Balance	0.0	0.1	0.2	dB
Phase Balance	0.0	1	2	Degrees
Isolation	22	30	50	dB
Input VSWR		1.15	1.20:1	
Output VSWR		1.10	1.15:1	
DC Voltage		500	500	VDC
DC Current			4	A

RF Specifications

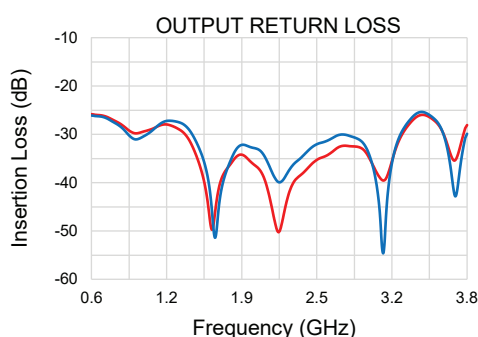
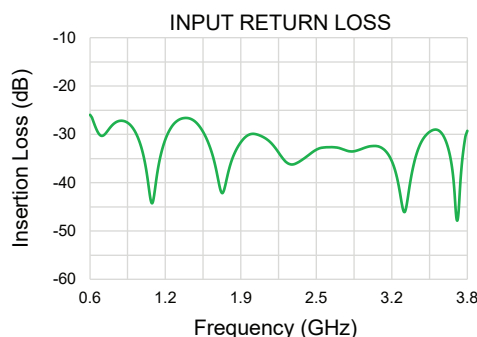
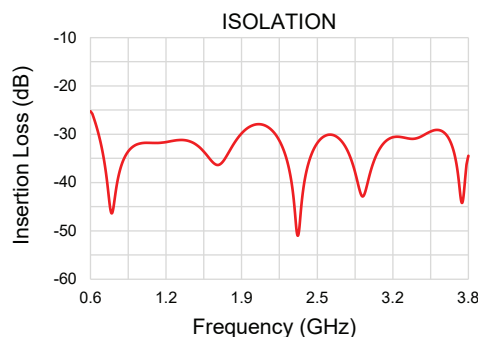
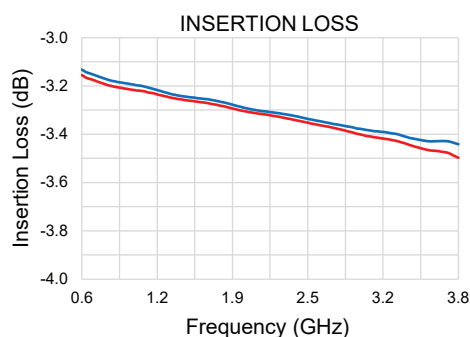
RF Input Power Rating (Power Divider Splitter)

Into Matched Load VSWR's	In-Phase	180 Out-Of-Phase
1.2:1	40 Watts	40 Watts
2.0:1	40 Watts	20 Watts
Infinite	40 Watts	2 Watts

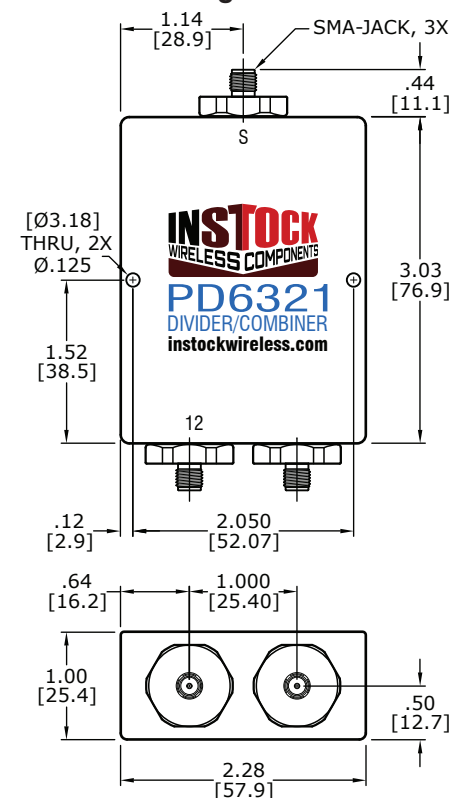
RF Input Power Rating (Power Combiner)

Non-Coherent Signals	2 X 2 Watts
Coherent Signals (In-Phase)	2 X 20 Watts
Coherent Signals (180 Out-Of-Phase)	2 X 1 Watt
Other Conditions - Consult Factory	

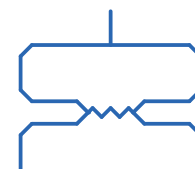
Test Data



Outline Drawing



Schematic



DC, 22 KHz, 10 MHz & 600-3800 MHz Pass All Ports

Available in Other Arrangements

Connector	Model
N-Type	PD6221
QMA	TBA
TNC	TBA
BNC	TBA