

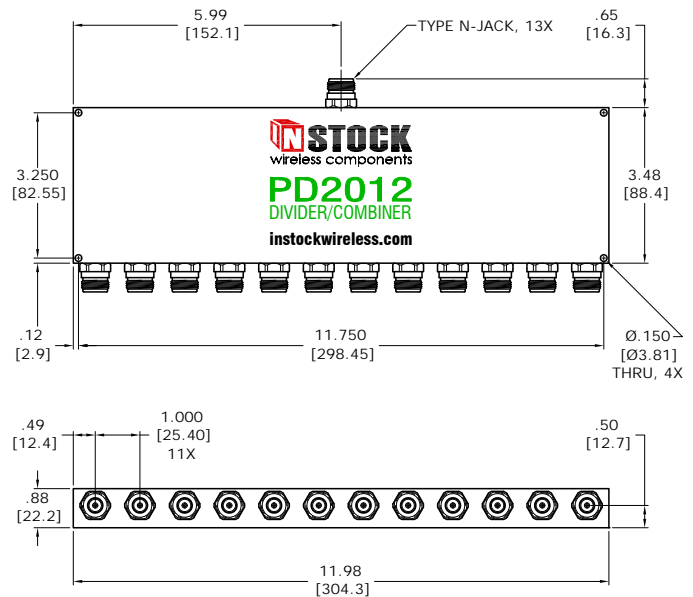
# PD2012 - POWER DIVIDER/COMBINER

## 12 Way, N Type Female, 0.7-2.7 GHz, 40 Watts, RoHS



twelve way wilkinson RF power splitter RoHS construction

- Wideband Frequency (700 - 2700 MHz)
- Low Insertion Loss (0.8 dB avg)
- High Port to Port Isolation (30 dB avg)
- Excellent VSWR (1.15 : 1 avg)
- RoHS Compliant Splitter Construction
- Tri-Alloy Plated Connectors for Low PIM

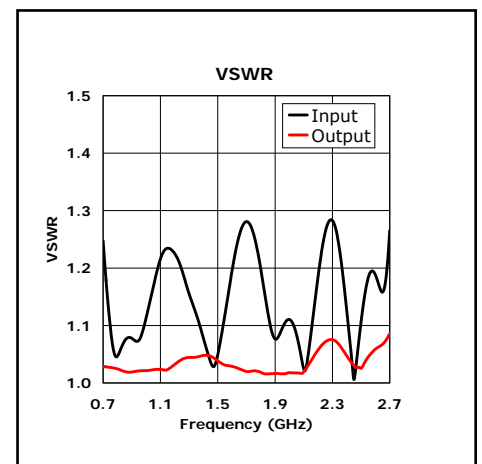
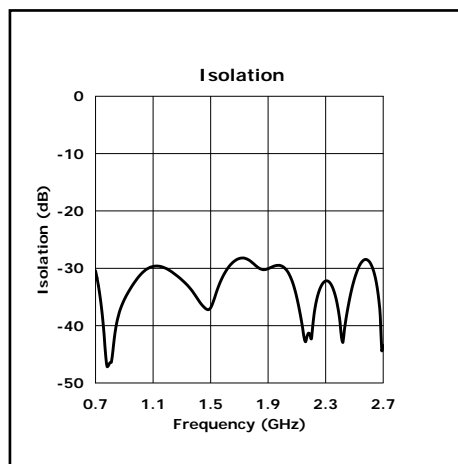
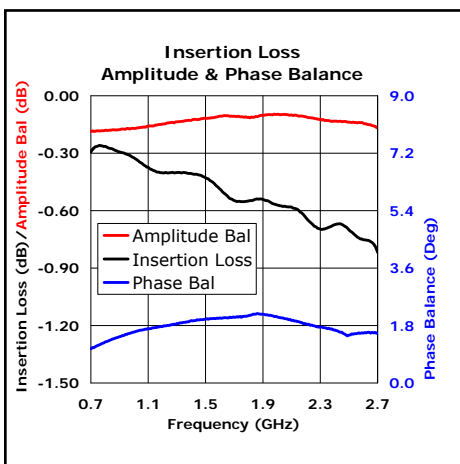


12 Way Power Divider Input Ratings		
Into Matched Load VSWR's	In-Phase	180° Out-of-Phase
1.2 : 1	40 Watts	40 Watts
2.0 : 1	40 Watts	40 Watts
∞	20 Watts	4 Watts
12 Way Power Combiner Input Ratings		
Input Signals	In-Phase	180° Out-of-Phase
Coherent	12 X 3.33 Watts	12 X 0.33 Watts
Non-Coherent	12 X 0.66 Watts	

### Mechanical Specifications

Circuit Design ..... Wilkinson Microstrip passes DC Current thru all ports  
 Connectors ..... N-Type Jack, 50 Ohm, 13X  
 Body ..... Brass, Tri-Alloy Plate  
 Connector Pin ..... Phosphor Bronze, Gold Plate  
 Insulator ..... PTFE, Virgin Electrical Grade  
 Housing ..... Aluminum, Clear Chem Film  
 Operating Temp ..... -65°C to +85°C  
 Weight ..... 1200 Grams

Frequency Range	Insertion Loss (above 10.79 dB)	Amplitude Balance	Phase Balance	Isolation	Input VSWR	Output VSWR
0.7 - 2.7 GHz	1.5 dB max	0.5 dB max	8° max	18 dB min	1.45 : 1 max	1.25 : 1 max



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