

Product: 18-40Ghz 16Way power divider

Part Number: LPD-18/40-16S



Specification					
No.	Parameter	Minimum	Typical	Maximum	Units
1	Frequency range	18	-	40	GHz
2	Insertion Loss	-	-	5	dB
3	Phase Balance:	-	-	±5	dB
4	Amplitude Balance	-	-	±0.8	dB
5	Isolation	16	-		dB
6	VSWR	-	-	1.8	-
7	Power			20	W cw
8	Operating Temperature Range	-40	-	+85	°C
9	Impedance	-	50	-	Ω
10	Connector	2.92-F			
11	Preferred finish	Black/Sliver/yellow/blue			

Remarks:

1. Not include Theoretical loss 12db
2. Power rating is for load vswr better than 1.20:1

Environmental Specifications	
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25gRMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions
Mechanical Specifications	
Housing	Aluminum
Connector	Passivated or stainless steel
Female Contact:	gold plated beryllium brass
Rohs	compliant
Weight	0.3kg

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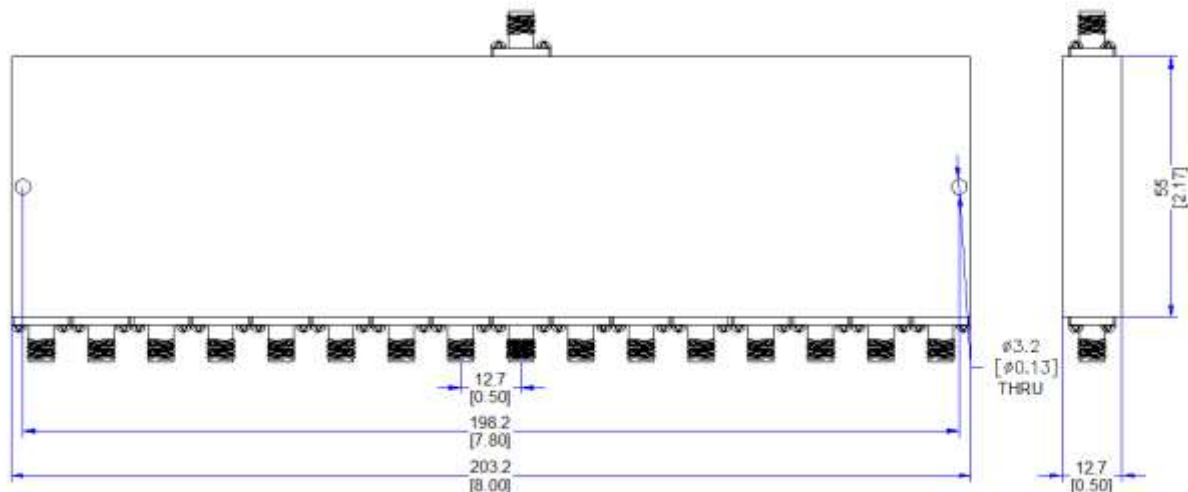
Outline Drawing:

All Dimensions in mm

Outline Tolerances $\pm 0.5(0.02)$

Mounting Holes Tolerances $\pm 0.2(0.008)$

All Connectors: 2.92-Female



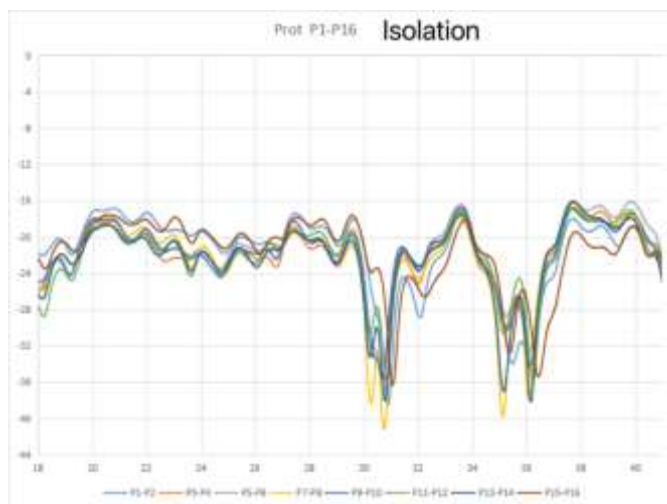
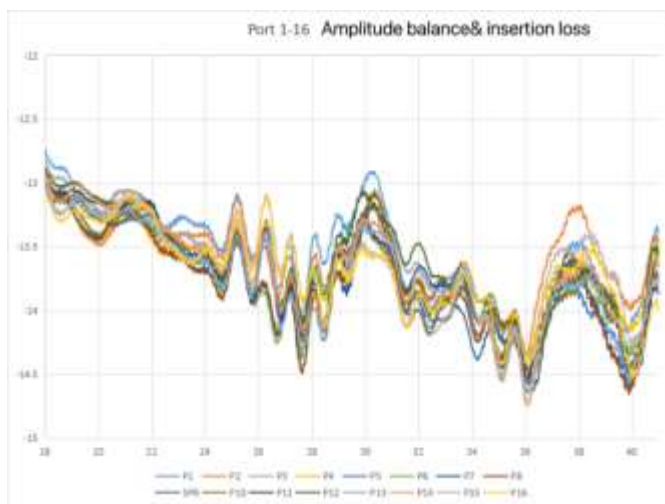
TEST DATA

1: amplitude balance and insertion loss

2: Isolation

3: phase balance

4: vswr



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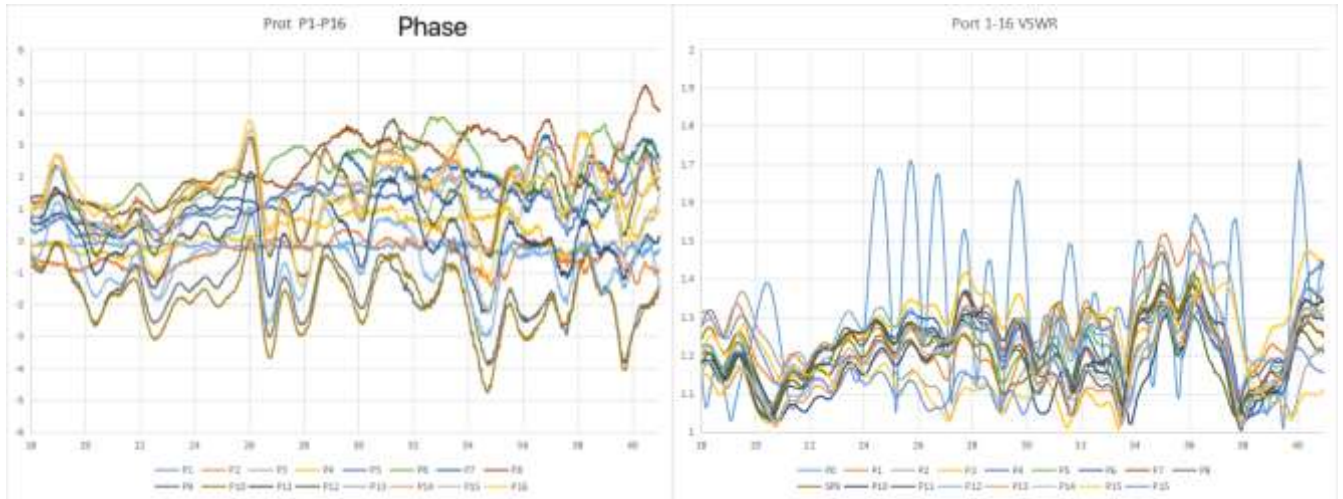
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