P1-SMAP/SMBP-RD316-48

SMA Male to SMB Plug cable using RD316 Double-Shielded RG Type Flex Coax, 48 inches long, and Operating to 6 GHz.

Product Features

P1-SMAP/SMBP-RD316-48 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 48 inch SMA Male to SMB Plug cable assembly that utilizes RD316 Double-Shielded RG Type Flex coax, which is 0.114 inches in diameter. This Double-Shielded RG Type Flex cable operates to 6 GHz with a max VSWR of 1.35:1.P1dB's Double-Shielded RG Type Flex cable assemblies are general purpose commercial grade cables that meet dimensional and electrical specifications of QPL cables. Double-Shielded RG Type Flex cables can operate up to 6 GHz, depending on the installed connectors. The advantage of RG type commercial cables over QPL cables is their lower cost, since they do not go through the stringent environmental, mechanical and certification testing required for military grade, QPL equivalents.



Electrical Specification: T _{Ambient} = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		6.0	
VSWR	DC to 0.4	1:			1.2	
	0.4 to 1.0				1.25	
	1.0 to 2.4				1.3	
	2.4 to 5.0				1.35	
Insertion Loss	DC to 0.4	dB/ft.			0.18	
	0.4 to 1.0				0.31	
	1.0 to 2.4	1			0.49	
	2.4 to 5.0	1			0.67	
Velocity Of Propagation		%		69.5		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	SMA Male	
Connector 1 Coupling Nut	Gold Plated Brass	

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Parameter	Description	Notes	
Connector 1 Body	Gold Plated Brass		
Connector 1 Contact	Gold Plated Brass		
Connector 2	SMB Plug		
Connector 2 Coupling Nut	Gold Plated Brass		
Connector 2 Body	Gold Plated Brass		
Connector 2 Contact	Gold Plated Brass		
Coax Cable	Double-Shielded RG Type Flex		
Cable Type	RD316		
Cable Inner Conductor	7/.0067 SPCW		
Dielectric	PTFE		
Shield	1. SPC Braid		
	2. SPC Braid		
Jacket	FEP		
Coax Diameter	0.114		
Minimum Bend Radius	0.6		
Length	48.0		
Operating Temprature	-55.0 to 200.0 °C		
RoHS Compliance	Yes		

Product Notes