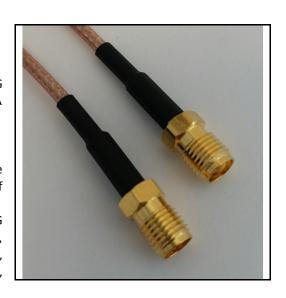


P1-SMAJ/SMAJ-RG316-36

SMA Female to SMA Female cable using RG-316 RG Type Flex Coax, 36 inches long, and Operating to 6 GHz.

Product Features

P1-SMAJ/SMAJ-RG316-36 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 36 inch SMA Female to SMA Female cable assembly that utilizes RG-316 RG Type Flex coax, which is 0.098 inches in diameter. This RG Type Flex cable operates to 6 GHz with a max VSWR of 1.35:1. P1dB's RG Type Flex cable assemblies are general purpose commercial grade cables that meet dimensional and electrical specifications of QPL cables. 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				0.49	
	2.4 to 5.0				0.67	
Velocity Of Propagation		%		69.5		

Mechanical And Environmental Specifications:

Parameter	Description	Notes		
Connector 1	SMA Female			
Connector 1 Coupling Nut	None			
Connector 1 Body	Gold Plated Brass			
Connector 1 Contact	Gold Plated Beryllium Copper			
Connector 2	SMA Female			
Connector 2 Coupling Nut	None			
Connector 2 Body	Gold Plated Brass			
Connector 2 Contact	Gold Plated Beryllium Copper			
Coax Cable	RG Type Flex			
Cable Type	RG-316			
Cable Inner Conductor	7/.0067 SPCW			
Dielectric	PTFE			
Shield	1. SPC Braid			
Jacket	FEP			
Coax Diameter	0.098			

P1dB, Inc.

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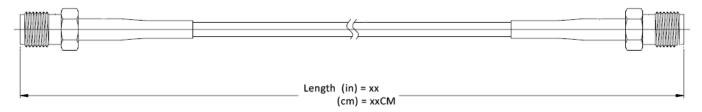


P1-SMAJ/SMAJ-RG316-36

SMA Female to SMA Female cable using RG-316 RG Type Flex Coax, 36 inches long, and Operating to 6 GHz.

Parameter	Description	Notes
Minimum Bend Radius	0.5	
Length	36.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes