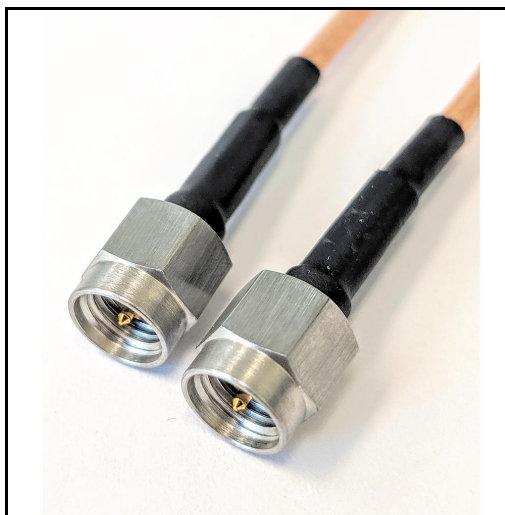


Product Features

P1-SMAP/SMAP-RG316-5S is a 50 Ohm RF cable assembly that is part of P1dB's RG series flex cable assemblies. It is a 5 inch flexible cable with SMA Male to SMA Male passivated stainless steel connectors. 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 Male	
Connector 2	SMA Male	
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	
Minimum Bend Radius	0.5	
Length	5.0	
Operating Temperature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

Product Notes

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P1-SMAP/SMAP-RG316-5S

SMA Male to SMA Male cable using RG-316 RG Type Flex Coax, 5 inches long, and
Operating to 6 GHz. Passivated stainless steel connectors.

