P1CA-SAMSAM-RD316-18

SMA Male to SMA Male cable using RD316 Double-Shielded RG Type Flex Coax, 18 inches long, and Operating to 6 GHz.



Product Features

P1CA-SAMSAM-RD316-18 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 18 inch SMA Male to SMA Male 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 0.5				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 0.5				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	
Connector 1 Body	Gold Plated Brass	
Connector 1 Contact	Gold Plated Brass	
Connector 2	SMA Male	
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	

P1dB, Inc. 188 Martinvale Lane, San Jose, CA 95119 +1(408)613-4857

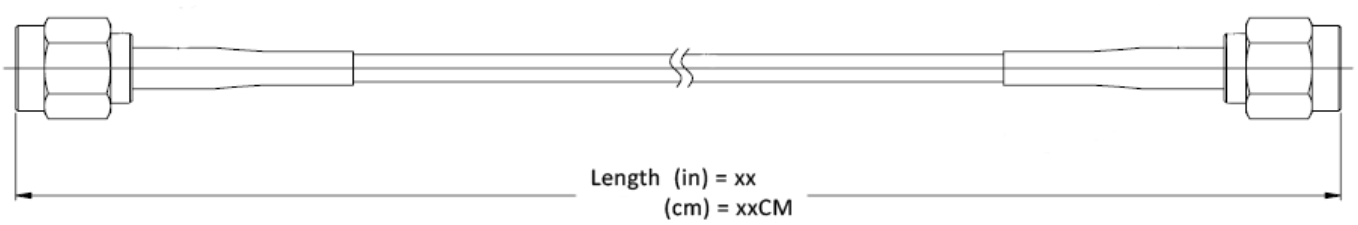
sales@p1dB.com

P1CA-SAMSAM-RD316-18

SMA Male to SMA Male cable using RD316 Double-Shielded RG Type Flex Coax, 18 inches long, and Operating to 6 GHz.

Parameter	Description	Notes
Jacket	FEP	
Coax Diameter	0.114	
Minimum Bend Radius	0.6	
Length	18.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes

P1dB, Inc. 188 Martinvale Lane, San Jose, CA 95119 +1(408)613-4857

sales@p1dB.com