

Product Features

P1CA-SAMSAM-RG316-12 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 12 inch SMA Male to SMA Male cable assembly, RG-316 flex coax, which is 0.098 inches in diameter. The cable operates DC to 6 GHz with a max VSWR of 1.35:1.



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		

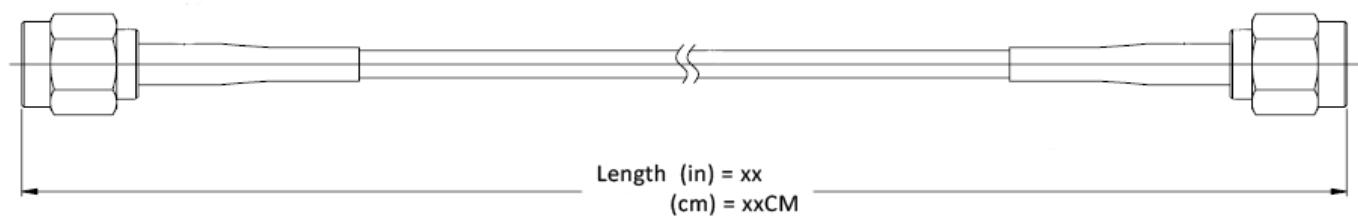
Mechanical And Environmental Specifications:

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	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	12.0	

SMA Male to SMA Male cable assembly, RG316 flex coax, 12 inch, frequency DC to 6 GHz.

Parameter	Description	Notes
Operating Temperature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes