P1CA-SAMSAM-RG58-30

SMA Male to SMA Male cable using RG-58 RG Type Flex Coax, 30 inches long, and Operating to 6 GHz.

Product Features

P1CA-SAMSAM-RG58-30 is a cable that is part of P1dB's RG series flex cable assemblies. It is a 30 inch SMA Male to SMA Male cable assembly that utilizes RG-58 RG Type Flex coax, which is 0.195 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 0.1	1:			1.2	
	0.1 to 0.4				1.25	
	0.4 to 1.0				1.3	
	1.0 to 5.0				1.35	
Insertion Loss	DC to 0.1	dB/ft.			0.05	
	0.1 to 0.4				0.1	
	0.4 to 1.0				0.18	
	1.0 to 5.0				0.6	
Velocity Of Propagation		%		65.9		

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	Tin-Zinc-Copper-Alloy Plated Brass	
Connector 2 Body	Tin-Zinc-Copper-Alloy Plated Brass	
Connector 2 Contact	Gold Plated Brass	
Coax Cable	RG Type Flex	
Cable Type	RG-58	
Cable Inner Conductor	TPC 19/.0072	
Dielectric	PE	
Shield	1. TPC Briad	
Jacket	PVC	
Coax Diameter	0.195	

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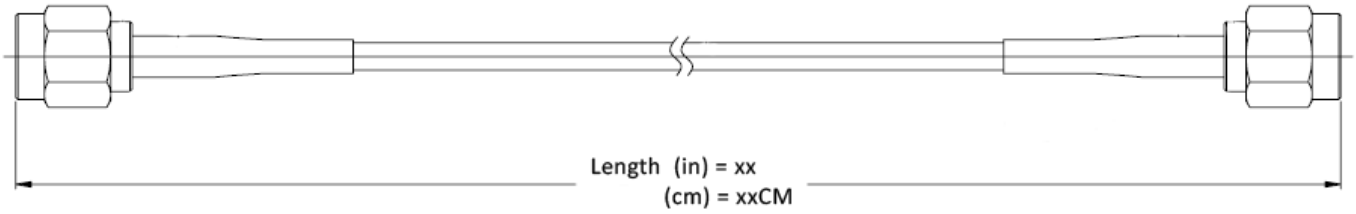
Parameter	Description	Notes
Minimum Bend Radius	1.0	
Length	30.0	
Operating Temprature	-40.0 to 80.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes

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