P1CA-SAMSAM-141CC-96

SMA Male to SMA Male cable assembly using 141CC Conformable Coax, 96 inches long, Operating to 18 GHz.

Product Features

P1CA-SAMSAM-141CC-96 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 96 inch SMA Male to SMA Male Conformable cable assembly that utilizes 141CC conformable coax with a diameter of 0.141 inches. The RF cable assembly operates to 18 GHz with a max VSWR of 1.15:1. YouForm™ cables are conformable and jacketed conformable versions 085 and 141 semi-rigid coax cables and meet RG402 and RG405 dimensional and electrical specifications. YouForm™ cable assemblies can operate up to 18 GHz, depending on the configuration. The advantage of YouForm™ conformable cables over semi-rigid are their ability to be formed by hand multiple times, while semi-rigid cables can be formed only once with special bending tools.



Electrical Specification: $T_{Ambient}$ = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		18.0	
VSWR	DC to 1.0	1:			1.1	
	1.0 to 5.0				1.1	
	5.0 to 10.0				1.12	
	10.0 to 18.0				1.15	
Insertion Loss	DC to 1.0	dB/ft.			0.12	
	1.0 to 5.0				0.31	
	5.0 to 10.0				0.45	
	10.0 to 18.0				0.65	
Velocity Of Propagation		%		70.0		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	SMA Male	
Connector 1 Coupling Nut	Passivated Stainless Steel	
Connector 1 Body	Gold Plated Brass	
Connector 1 Contact	Gold Plated Brass	
Connector 2	SMA Male	
Connector 2 Coupling Nut	Passivated Stainless Steel	
Connector 2 Body	Gold Plated Brass	
Connector 2 Contact	Gold Plated Brass	
Coax Cable	Conformable	
Cable Type	141CC	
Cable Inner Conductor	SPCW	
Dielectric	PTFE	
Shield	1. Tinned Cu/Sn Braid	
Jacket	FEP	
Coax Diameter	0.141	

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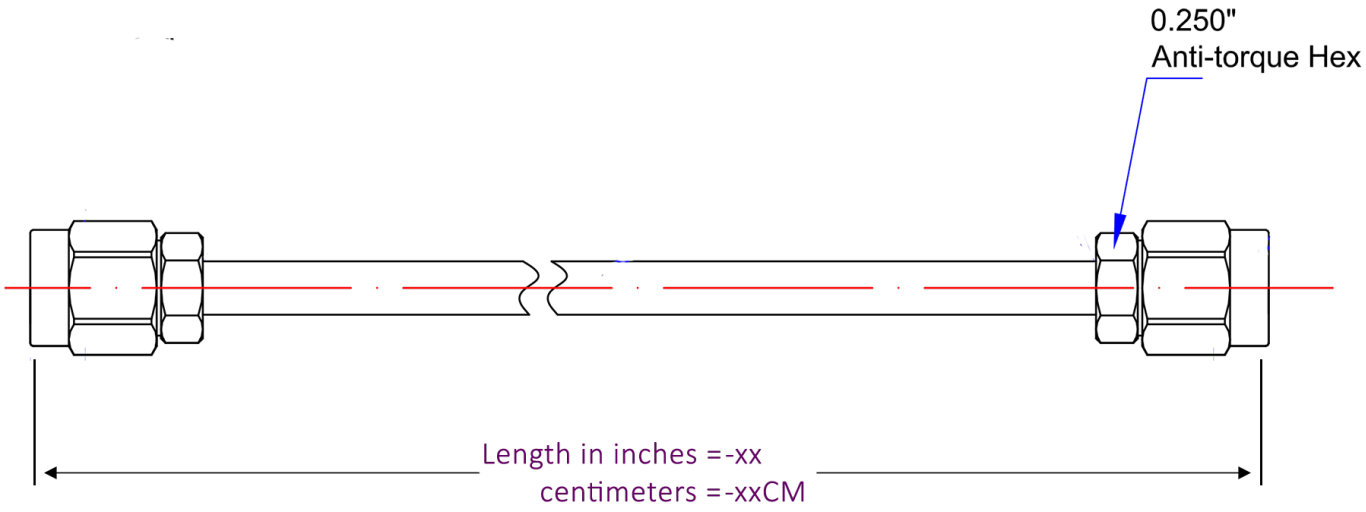
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Parameter	Description	Notes
Minimum Bend Radius	0.38	
Length	96.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes

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