P1CA-SAMSAM-141CJ-48

SMA Male to SMA Male cable assembly using 141CJ Conformable Coax, 48 inches long, Operating to 26.5 GHz.



Product Features

P1CA-SAMSAM-141CJ-48 is a 50 Ohm flexible RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 48 inch SMA Male to SMA Male Jacketed Conformable cable assembly that utilizes 141CJ conformable coax with a diameter of 0.17 inches. The RF cable assembly operates to 26.5 GHz with a max VSWR of 1.35:1.

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 26.5 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:			1.25	
	1.0 to 5.0				1.3	
	5.0 to 10.0				1.32	
	10.0 to 18.0				1.35	
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	141CJ	
Cable Inner Conductor	SPCW	
Dielectric	PTFE	
Shield	1. Tinned Cu/Sn Braid	
Jacket	FEP	

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Parameter	Description	Notes
Coax Diameter	0.168	
Minimum Bend Radius	0.38	
Length	48.0	
Operating Temprature	-85.0 to 165 °C	
RoHS Compliance	Yes	

Product Notes

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