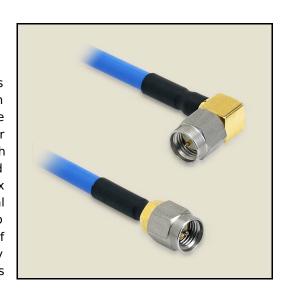


P1-SMAP/SMAPRA-141CJ-7

SMA Male to SMA Male Right Angle cable assembly using 141CJ Jacketed Conformable Coax, 7 inches long, Operating to 18 GHz.

Product Features

P1-SMAP/SMAPRA-141CJ-7 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 7 inch SMA Male to SMA Male Right Angle Jacketed Conformable cable assembly that utilizes 141CJ conformable coax with a diameter of 0.168 inches. The RF cable assembly operates to 18 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 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:			1.2	
	1.0 to 5.0				1.25	
	5.0 to 10.0				1.26	
	10.0 to 18.0				1.35	
Insertion Loss	DC to 1.0	dB/ft.			0.12	
	1.0 to 5.0				0.3	
	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 Right Angle			
Connector 2 Coupling Nut	Passivated Stainless Steel			
Connector 2 Body	Gold Plated Brass			
Connector 2 Contact	Gold Plated Brass			
Coax Cable	Jacketed Conformable			
Cable Type	141CJ			
Cable Inner Conductor	SPCW			
Dielectric	PTFE			
Shield	1. Tinned Cu/Sn Braid			
Jacket	FEP			
Coax Diameter	0.168			

P1dB, Inc.

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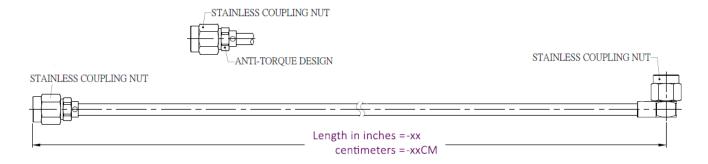


P1-SMAP/SMAPRA-141CJ-7

SMA Male to SMA Male Right Angle cable assembly using 141CJ Jacketed Conformable Coax, 7 inches long, Operating to 18 GHz.

Parameter	Description	Notes
Minimum Bend Radius	0.38	
Length	7.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes