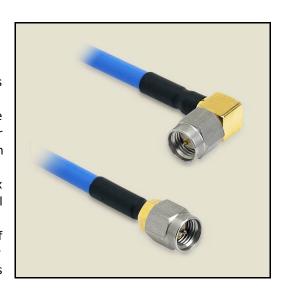


P1-SMAP/SMAPRA-141CJ-18

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

Product Features

P1-SMAP/SMAPRA-141CJ-18 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 18 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	Cable Inner Conductor SPCW		
Dielectric	PTFE		
Shield	1. Tinned Cu/Sn Braid		
Jacket	FEP		
Coax Diameter	0.168		

P1dB, Inc.

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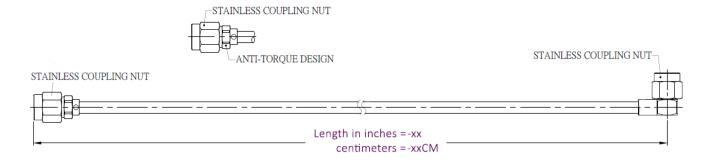


P1-SMAP/SMAPRA-141CJ-18

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

Parameter	Description	Notes
Minimum Bend Radius	0.38	
Length	18.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes