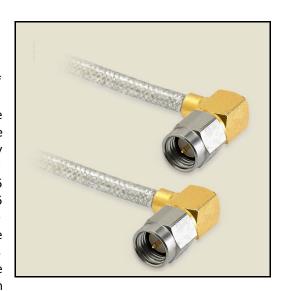


## P1-SMAPRA/SMAPRA-141CC-18

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

#### **Product Features**

P1-SMAPRA/SMAPRA-141CC-18 is an RF Cable that is part of P1dB's YouForm™ conformable cable assembly series. It is a 18 inch SMA Male Right Angle to SMA Male Right Angle 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 1.35:1. 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**<sub>Ambient</sub> = 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 Right Angle			
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	Conformable			
Cable Type	141CC			
Cable Inner Conductor	SPCW			
Dielectric	PTFE			
Shield	1. Tinned Cu/Sn Braid			
Jacket	FEP			

P1dB, Inc.

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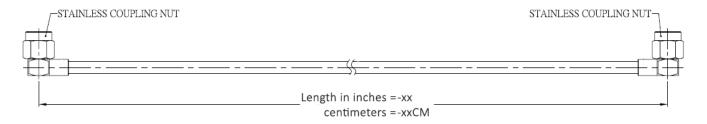


# P1-SMAPRA/SMAPRA-141CC-18

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

Parameter	Description	Notes
Coax Diameter	0.141	
Minimum Bend Radius	0.38	
Length	18.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

## **Drawing**



#### **Product Notes**