

## P1-SMAPRA/SMAPRA-141CJ-16

SMA Male Right Angle to SMA Male Right Angle cable assembly using 141CJ Jacketed Conformable Coax, 16 inches long, Operating to 18 GHz.

#### **Product Features**

P1-SMAPRA/SMAPRA-141CJ-16 is an RF Cable that is part of P1dB's YouForm<sup>™</sup> conformable cable assembly series. It is a 16 inch SMA Male Right Angle 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<sup>™</sup> cables are conformable and jacketed conformable versions 085 and 141 semi-rigid coax cables and meet RG402 and RG405 dimensional and electrical specifications. YouForm<sup>™</sup> cable assemblies can operate up to 18 GHz, depending on the configuration. The advantage of YouForm<sup>™</sup> 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.



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		

### Electrical Specification: T Ambient = 25° C

#### **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	Jacketed Conformable	
Cable Type	141CJ	
Cable Inner Conductor	SPCW	
Dielectric	PTFE	
Shield	1. Tinned Cu/Sn Braid	
Jacket	FEP	

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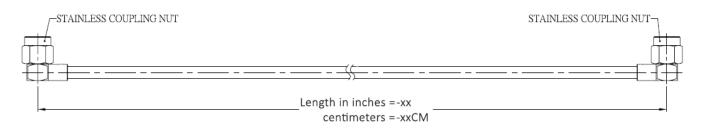


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Parameter	Description	Notes
Coax Diameter	0.168	
Minimum Bend Radius	0.38	
Length	16.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

## Drawing



**Product Notes**