

## P1CA-SAFSPFRA-SS085-12

SMA Female to SMP Female Right Angle RF flex cable using SS085 High Performance Coax, 12 inches long, Operating to 18 GHz.

#### **Product Features**

P1CA-SAFSPFRA-SS085-12 is an RF Flex Cable that is part of P1dB's SS085 series, high performance cable assemblies. It is a 12 inch SMA Female to SMP Female Right Angle cable assembly that utilizes SS085 High Performance coax, which is 0.104 inches in diameter. The SS085 high performance flex cable operates to 18 GHz with a max VSWR of 1.35:1. P1dB's SS085 cable assemblies are high performance RF cables that are dimensionally equivalent to RG405 semi-rigid and 085 conformable coax cables, and have similar electrical specifications to RG405 coax. SS085 RF flex cables can operate up to 50 GHz, depending on the installed connectors. The advantage of SS085 test cables over other test cables are their cost-effective design that still offer good phase and amplitude stability for general purpose test systems.



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				1.3	
	10.0 to 18.0				1.35	
Insertion Loss	DC to 1.0	dB/ft.			0.23	
	1.0 to 5.0				0.52	
	5.0 to 10.0				0.8	
	10.0 to 18.0				1.1	
Velocity Of Propagation		%		70.0		

## Electrical Specification: T Ambient = 25° C

#### **Mechanical And Environmental Specifications:**

Parameter	Description	Notes		
Connector 1	SMA Female			
Connector 1 Coupling Nut	Gold Plated Brass			
Connector 1 Body	Gold Plated Brass			
Connector 1 Contact	Gold Plated Beryllium Copper			
Connector 2	SMP Female Right Angle			
Connector 2 Coupling Nut	None			
Connector 2 Body	Gold Plated Beryllium Copper			
Connector 2 Contact	Gold Plated Beryllium Copper			
Coax Cable	High Performance			
Cable Type	SS085			
Cable Inner Conductor	SPC			
Dielectric	PTFE			
Shield	1. SPC Ribbon			
	2. SPC Braid			

P1dB, Inc.

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Parameter	Description	Notes
Jacket	FEP	
Coax Diameter	0.104	
Minimum Bend Radius	0.25	
Length	12.0	
Operating Temprature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

## **Product Notes**