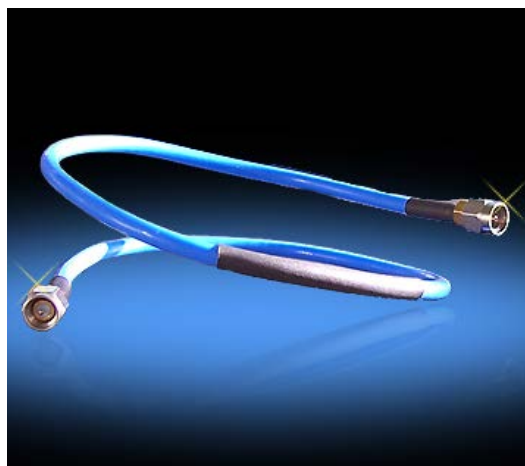


Product Features

The P1dB series of YouForm™ SMA conformable cable assemblies are available in 085 and 141, jacketed and unjacketed coax cables. The YouForm™ connector options are SMA Male, SMA Male Right Angle and SMA Female Bulkhead connectors in any connector combination. The 085 and 141 coax cables are conformable versions of semi-rigid which meet RG402 and RG405 dimensional and electrical specifications. The 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 $T_{\text{Ambient}} = 25^{\circ}\text{C}$

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance	DC to 18 GHz	Ohms	—	50	—	
VSWR	DC to 18 GHz	1:	—	—	1.15	Right Angle connector to 6 GHz
Insertion Loss	DC to 18 GHz	dB	0.4 + 0.07 X Length (inches)			Max

Mechanical Specification

Parameter	Description	Notes
SMA Male	SMA Male, SMA Right Angle	
SMA Male Body Material and Plating	Gold Plated Brass	
SMA Male Nut Material and Plating	Passivated Stainless Steel	
SMA Male Contact Material and Plating	Gold Plated Brass	
SMA Female	SMA Female, Bulkhead	
SMA Female Material and Plating	Gold Plated Brass	
SMA Female Contact Material and Plating	Gold Plated Beryllium Copper	
Cable Type	YouForm™	conformable
Cable Series	084CC, 141CC 085CJ, 141CJ	Suffix CC is non-jacketed Suffix CJ is jacketed

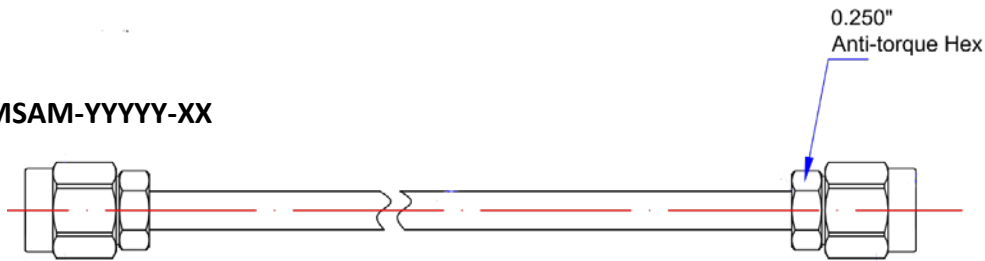
Part Number Definition

Part Number	Description	Coax Options (YYYYY)
P1CA-SAMSAM-YYYYY-XX	SMA Male to SMA Male	085CC, 085CJ, 141CC, 141CJ
P1CA-SAMSAMRA-YYYYY-XX	SMA Male to SMA Male Right Angle	085CC, 085CJ, 141CC, 141CJ
P1CA-SAMRASAMRA-YYYYY-XX	SMA Male Right Angle to SMA Male Right Angle	085CC, 085CJ, 141CC, 141CJ
P1CA-SAMSAFB-YYYYY-XX	SMA Male to SMA Female Bulkhead	085CC, 085CJ, 141CC, 141CJ
P1CA-SAMRASAFB-YYYYY-XX	SMA Male Right Angle to SMA Female Bulkhead	085CC, 085CJ, 141CC, 141CJ

Length (XX) = inches

Drawings

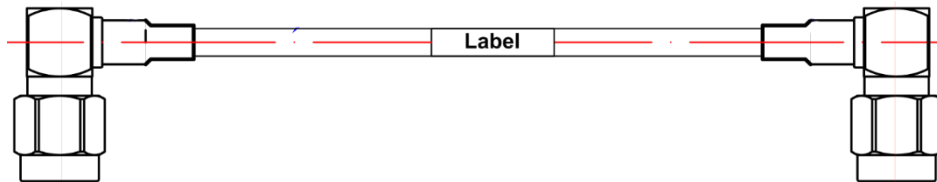
P1CA-SAMSAM-YYYYY-XX



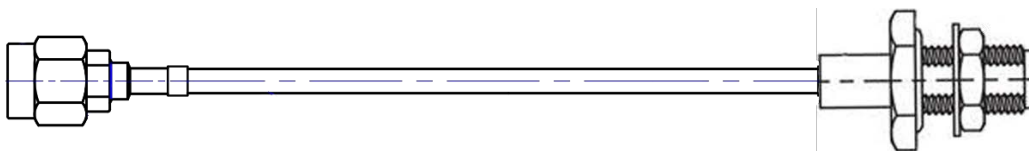
P1CA-SAMSAMRA-YYYY-XX (operates to 11 GHz)



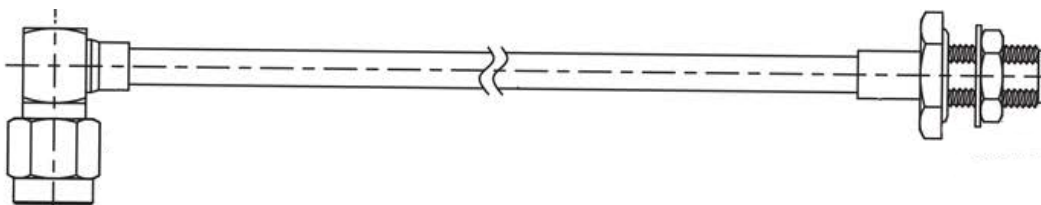
P1CA-SAMRASAMRA-YYYYY-XX (operates to 11 GHz)



P1CA-SAMSAFB-YYYYY-XX



P1CA-SAMRASAFB-YYYYY-XX (operates to 11 GHz)



YYYYY = Coax Type
XX = Length in inches