

P1-SMAP/SMAP-085CC-20

SMA Male to SMA Male cable assembly using 085CC Conformable Coax, 20 inches long, Operating to 18 GHz.

Product Features

P1-SMAP/SMAP-085CC-20 is an RF Cable that is part of P1dB's YouForm[™] conformable cable assembly series. It is a 20 inch SMA Male to SMA Male Conformable cable assembly that utilizes 085CC conformable coax with a diameter of 0.085 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.



Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		18.0	
VSWR	DC to 1.0	1:			1.25	
	1.0 to 5.0				1.3	
	5.0 to 10.0				1.32	
	10.0 to 18.0				1.35	
Insertion Loss	DC to 1.0	dB/ft.			0.22	
	1.0 to 5.0				0.49	
	5.0 to 10.0				0.83	
	10.0 to 18.0				1.18	
Velocity Of Propagation		%		70.0		

Electrical Specification: T Ambient = 25° C

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	
Connector 2 Coupling Nut	Passivated Stainless Steel	
Connector 2 Body	Gold Plated Brass	
Connector 2 Contact	Gold Plated Brass	
Coax Cable	Conformable	
Cable Type	085CC	
Cable Inner Conductor SPCW		
Dielectric	electric PTFE PTFE	
Shield	1. Tinned Cu/Sn Braid	
Jacket	FEP	
Coax Diameter	0.085	

188 Martinvale Lane, San Jose, CA 95119

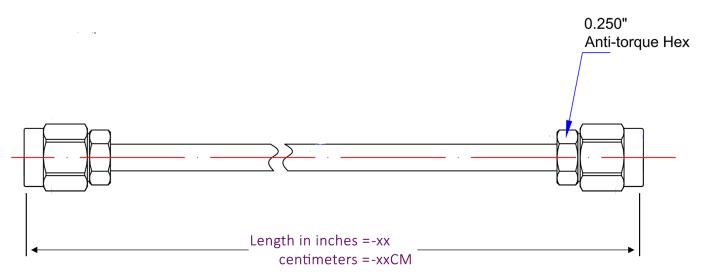


P1-SMAP/SMAP-085CC-20

SMA Male to SMA Male cable assembly using 085CC Conformable Coax, 20 inches long, Operating to 18 GHz.

Parameter	Description	Notes
Minimum Bend Radius	0.38	
Length	20.0	
Operating Temprature	-85.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Product Notes