

P1CA-STMTMF-ST085-6

SMA male to SMPM female cable assembly using ST085 Tight-Flex, Triple Shielded Coax, 6 inches long, Operating to 18 GHz.

Product Features

P1CA-STMTMF-ST085-6 is an RF Cable that is part of P1dB's Tight-Flex™ cable assembly series. It is a 6 inch SMA Male to SMPM Female cable assembly that utilizes ST085 Tight-Flex, Triple Shielded coax, which is 0.104 inches in diameter. The Tight-Flex™ cable assembly operates to 18 GHz with a max VSWR of 1.29:1. Tight-Flex™ cable assemblies are a flexible version of RG405 semi-rigid and 085 conformable coax cables that meet RG405 dimensional and electrical specifications. Tight-Flex™ cable assemblies can operate up to 40 GHz, depending on the installed connectors. The advantage of Tight-Flex™ cables over other 085 flex cables are their triple shielding that add additional RF stability even during tight bends.



Electrical Specification: T_{Ambient} = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Frequency Range		GHz	DC		18.0	
VSWR	DC to 1.0	1:			1.15	
	1.0 to 5.0				1.2	
	5.0 to 10.0				1.25	
	10.0 to 18.0				1.29	
Insertion Loss	DC to 1.0	dB/ft.			0.21	
	1.0 to 5.0				0.51	
	5.0 to 10.0				0.75	
	10.0 to 18.0				1.04	
Velocity Of Propagation		%		70.0		

Mechanical And Environmental Specifications:

Parameter	Description	Notes		
Connector 1	ctor 1 SMA Male			
Connector 1 Coupling Nut	Passivated Stainless Steel			
Connector 1 Body	Passivated Stainless Steel			
Connector 1 Contact	Gold Plated Brass			
Connector 2	SMPM Female			
Connector 2 Coupling Nut	None			
Connector 2 Body	Gold Plated Beryllium Copper			
Connector 2 Contact	Gold Plated Beryllium Copper			
Coax Cable	Tight-Flex, Triple Shielded			
Cable Type	ST085			
Cable Inner Conductor	SPCW			
Dielectric	PTFE			
Shield	1. SPC Tape, Aluminum Tape, SPC Braid			
Jacket	FEP			
Coax Diameter	0.104			

P1dB, Inc.

188 Martinvale Lane, San Jose, CA 95119

+1(408)613-4857

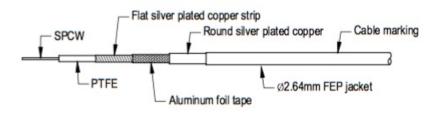


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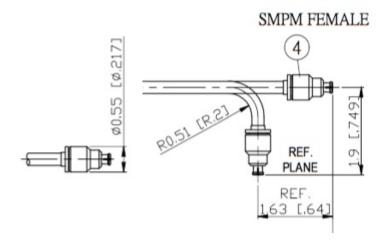
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Parameter	Description	Notes
Minimum Bend Radius	0.2	
Length	6.0	
Operating Temprature	-55.0 to 200.0 °C	
RoHS Compliance	Yes	

Drawing



Graph



Product Notes