

P1CA-SMFSMF-SS085-12

SMPM female straight to SMPM female straight RF flex cable using SS085 High Performance Coax, 12 inch.

Product Features

P1CA-SMFSMF-SS085-12 is an RF Flex Cable that is part of P1dB's SS085 series, high performance cable assemblies. It is a 12 inch SMPM straight female to SMPM straight female cable assembly that utilizes SS085 High Performance coax, which is 0.104 inches in diameter. SMPM connectors are also referred to as SSMP or GPPO (Gilbert trademark).

P1dB's 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.



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:			1.2	
	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		

Mechanical And Environmental Specifications:

Parameter	Description	Notes	
Connector 1	Connector 1: SMPM Female straight		
Connector 1 Coupling Nut	None		
Connector 1 Body	Gold Plated Beryllium Copper		
Connector 1 Contact	Gold Plated Beryllium Copper		
Connector 2	SMPM Female straight		
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		

P1dB, Inc.

188 Martinvale Lane, San Jose, CA 95119

+1(408)613-4857



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Parameter	Description	Notes
Dielectric	PTFE	
Shield	1. SPC Ribbon	
	2. SPC Braid	
Jacket	FEP	
Coax Diameter	0.104	
Minimum Bend Radius	0.25	
Length	12.0	
Operating Temprature	-55.0 to 165 °C	
RoHS Compliance	Yes	

Product Notes