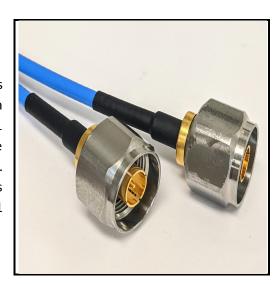
P1CA-NMNM-SS141-39

N Male to N Male test cable using SS141 High Performance Coax, 39 inch (1 meter), Operating to 18 GHz.

Product Features

P1CA-NMNM-SS141-39 is an test Cable that is part of P1dB's SS141 series, high performance cable assemblies. It is a 39 inch (1 meter) N Male to N Male cable assembly that utilizes SS141 High Performance coax, which is 0.163 inches in diameter. The SS141 test cable operates to 18 GHz with a max VSWR of 1.3:1. P1dB's SS141 cable assemblies are general purpose test cables that are dimensionally equivalent to RG402 semi-rigid and 141 conformable coax cables and RG402 electrical specifications.



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:			1.1	
!	1.0 to 5.0				1.2	
	5.0 to 10.0				1.25	
	10.0 to 18.0				1.3	
Insertion Loss	DC to 1.0	dB/ft.			0.13	
	1.0 to 5.0				0.3	
	5.0 to 10.0				0.45	
	10.0 to 18.0				0.64	
Velocity Of Propagation		%		70.0		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
Connector 1	N Male	
Connector 1 Coupling Nut	Passivated Stainless Steel	
Connector 1 Body	Passivated Stainless Steel	
Connector 1 Contact	Gold Plated Brass	
Connector 2	N Male	

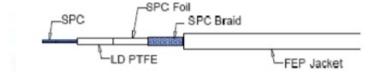
P1dB, Inc.

P1CA-NMNM-SS141-39

N Male to N Male test cable using SS141 High Performance Coax, 39 inch (1 meter), Operating to 18 GHz.

Parameter	Description	Notes	
Connector 2 Coupling Nut	Passivated Stainless Steel		
Connector 2 Body	Passivated Stainless Steel		
Connector 2 Contact	Gold Plated Brass		
Coax Cable	High Performance		
Cable Type	SS141		
Cable Inner Conductor	SPC		
Dielectric	PTFE		
Shield	1. SPC Braid, SPC Ribbon		
Jacket	FEP		
Coax Diameter	0.163		
Minimum Bend Radius	0.08		
Length	39.0		
Operating Temprature	-55.0 to 125.0 °C		
RoHS Compliance	Yes		

Graph



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N Male to N Male test cable using SS141 High Performance Coax, 39 inch (1 meter), Operating to 18 GHz.

ELECTRICAL CHARACTERISTICS				
Impedance	50±2			
Capacitance (Nominal)				
(pF/ft)	29.4			
(pF/m)	96.4			
Velocity of Propagation (%)	78			
Cutt Off Frequency (GHz)	40			
Shielding Effectiveness	>-110dB			
Max. Attenuation (dB/100Ft)	Attenuation		Power	
Max Power (Watts)	dB/100Ft	dB/100M		
400MHz	7	23	1100	
1GHz	11	36	550	
3GHz	18.9	62	350	
5GHz	25.3	83	245	
10GHz	37.5	123	140	
18GHz	51.9	170	87	
25GHz	63.5	208	75	
30GHz	71.4	234	68	
35GHz	78.4	257	61	
40GHz	87.8	288	56	
MECHANICAL CHARACTERISTICS		0.00		
Max. Operating Temperature (°C)	-55/ +200			
Min. Bend Radius	Static		Dynamic	
(inch)	0.48		1.57	
(mm)	12		40	
Weight				
(g/Ft)	13.5			
(g/M)	44.3			

Product Notes