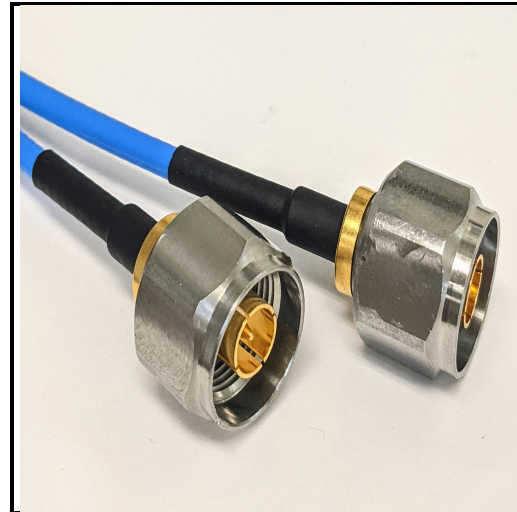


P1CA-NMNM-SS141-39

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: $T_{\text{Ambient}} = 25^{\circ}\text{C}$

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	

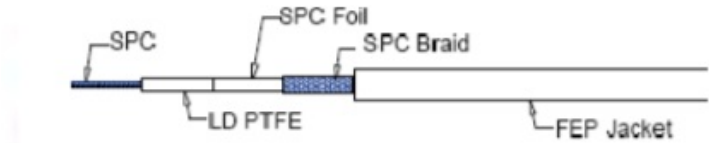
P1CA-NMNM-SS141-39

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 Temperature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

Graph



P1CA-NMNM-SS141-39

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)			
Max Power (Watts)			
		Attenuation	Power
		dB/100Ft	dB/100M
400MHz		7	23
1GHz		11	36
3GHz		18.9	62
5GHz		25.3	83
10GHz		37.5	123
18GHz		51.9	170
25GHz		63.5	208
30GHz		71.4	234
35GHz		78.4	257
40GHz		87.8	288
			1100
			550
			350
			245
			140
			87
			75
			68
			61
			56
MECHANICAL CHARACTERISTICS			
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