P1CA-SAMSAM-SS141-72

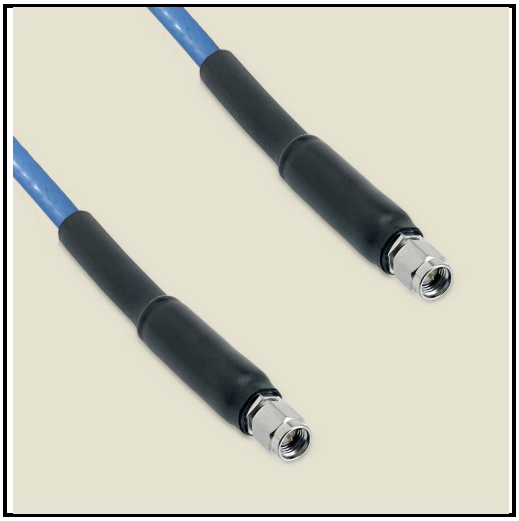
SMA Male to SMA Male test cable using SS141 flexible low loss phase stable coax, 72 inch. Frequency DC to 18 GHz.

Product Features

RF test cable, SMA Male to SMA Male, SS141 flex, 72 inch.

Low loss, phase stable DC to 18 GHz.

Great choice for bench top RF testing.



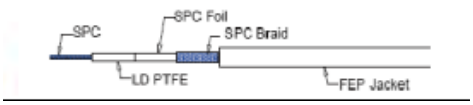
Electrical Specification: $T_{Ambient}$ = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
VSWR	DC to 1.0	1:			1.1	
	1.0 to 10.0				1.2	
	10.0 to 18.0				1.25	
Insertion Loss	DC to 1.0	dB/ft.			0.13	
	1.0 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	SMA Male	
Connector 2	SMA Male	
Length	72.0	
Operating Temprature	-55.0 to 125.0 °C	
RoHS Compliance	Yes	

Drawing



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Graph

DIMENSIONS			
Center Conductor Diameter			
(inch)	0.04		
(mm)	1.02		
Dielectric Diameter			
(inch)	0.116		
(mm)	2.95		
Diameter Over Foil			
(inch)	0.124		
(mm)	3.14		
Diameter over Braid			
(inch)	0.136		
(mm)	3.46		
Jacket Diameter			
(inch)	0.163		
(mm)	4.14		
MATERIAL SPECIFICATIONS			
Jacket	FEP		
Braid	Round silver plated copper		
Foil	Flat silver plated copper foil		
Dielectic	LD PTFE		
Center Conductor	Solid SPC		
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			
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

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