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RG316 Cable Assemblies



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LAMBDOID WIRELESS COMMUNICATIONS

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RG316 Cable Assemblies

SMA Plug to SMA Jack Bulkhead



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Technical Specification		Photograph / Drawing
Model Number	LWC-CA-SMA-PLUG-ST-SMA-JACK-BH-ST-RG316	
Impedance (Ω)	50	
Conductor Resistance (Ω /km)	605	
Insulation Resistance ($M\Omega$ /km)	2000	
Capacitance (pF/m)	104	
Dielectric Strength	2000V/ min AC	
Spark Test	2KV	
Velocity of propagation	69%	
VSWR (DC to 3.0 GHz)	1.30	
Material Specifications		
Inner Conductor	Silver Coated Copper (SCC)	<ul style="list-style-type: none"> - Flexible - Low cost - High Quality - Customized cable lengths
Insulation	Polytetrafluoroethylene (PTFE)	
Braid Shield	Silver Coated Copper (SC)	
Jacket	Fluorinated Ethylene Propylene (FEP)	
Mechanical Parameters		Feasible Connectors:
Inner Conductor Dia (mm)	0.51	<ul style="list-style-type: none"> - N Type - SMA/ SMB/ SMC - TNC
Insulation Dia (mm)	1.52	
Jacket (mm)	2.59	
Frequency (in MHz)	Attenuation (dB/m)	Applications
100	0.36	<ul style="list-style-type: none"> - Interconnects
400	0.68	
1000	1.24	
3000	1.90	

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RG316 RF Cable Assemblies



RPSMA Plug Straight to RPSMA Jack Straight

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Technical Specification		Photograph / Drawing
Model Number	LWC-CA-RPSMA-PLUG-ST-RPSMA-JACK-ST-RG316	<p>RP-SMA Male RP-SMA Female</p>
Impedance (Ω)	50	
Conductor Resistance (Ω /km)	605	
Insulation Resistance ($M\Omega$ /km)	2000	
Capacitance (pF/m)	104	
Dielectric Strength	2000V/ min AC	
Spark Test	2KV	
Velocity of propagation	69%	
VSWR (DC to 3.0 GHz)	1.30	
Material Specifications		
Inner Conductor	Silver Coated Copper (SCC)	<ul style="list-style-type: none"> - Flexible - Low cost - High Quality - Customized cable lengths
Insulation	Polytetrafluoroethylene (PTFE)	
Braid Shield	Silver Coated Copper (SC)	
Jacket	Fluorinated Ethylene Propylene (FEP)	
Mechanical Parameters		Feasible Connectors
Inner Conductor Dia (mm)	0.51	<ul style="list-style-type: none"> - N Type - SMA
Insulation Dia (mm)	1.52	
Jacket (mm)	2.59	
Frequency (in MHz)	Attenuation (dB/m)	Applications
100	0.36	<ul style="list-style-type: none"> - Interconnects
1000	0.68	
1750	1.24	
2000	1.90	

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