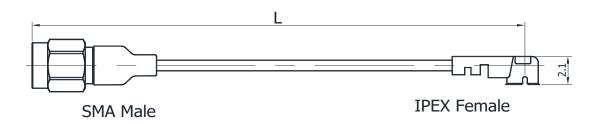
CABLE ASSEMBLY DATASHEET



RG178 SERIES, FLEXIBLE CABLE, SMA(MALE)-IPEX(FEMALE)

GAR8-SMMIPEX1F-XXX



* Label and Shrinking tube design depend on customer's request.

Configuration				
Connector 1 Type	SMA Male			
Connector 1 Body Style	Straight			
Body Material and Plating	Brass Gold Plated			
Connector 1 Mount Method	None			
Connector 2 Type	IPEX Female			
Connector 2 Body Style	Straight			
Body Material and Plating	CuBe Gold Plated			
Connector 2 Mount Method	None			
Cable Type	RG178 Series			
Electrical Specifications				
Impedance	50 Ω			
Frequency	DC to 6 GHz			
Return Loss/VSWR	1.50			
Phase Stability vs. Flexure	N/A			
Amplitude Stability	N/A			
Shielding Effectiveness	<-70dB @ 1GHz			
Phase Matching	On request			
Signal Delay	On request			
Power Handling	88watt @ 1.5GHz at sea level,VSWR1.0			
Environmental Data				
Temperature Range	-40°C to +165°C			
2011/65/EU(RoHS)	Compliant			

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Cable Specifications			
Center Conductor	Silver plated copper		
Dielectric	Solid PTFE		
Jacket	FEP		
Capacitance(pF/m)	94		
Velocity of propagation(%)	70		
Min. bending radius(mm)	15		
Jacket Diameter(mm)	1.83		

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)	
		1GHz	3GHz
GAR8-SMMIPEX1F-2000	2000±10	3.05	5.35
GAR8-SMMIPEX1F-1000	1000±10	1.70	2.95
GAR8-SMMIPEX1F-800	800±5	1.33	2.44
GAR8-SMMIPEX1F-500	500±5	0.95	1.75
GAR8-SMMIPEX1F-200	200±3	0.45	0.83
GAR8-SMMIPEX1F-100	100±3	0.28	0.52

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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