



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

Configuration

Connector 1 Type	SMB Female
Connector 1 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 1 Mount Method	None
Connector 2 Type	SMB Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	RG316D

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 3 GHz
Return Loss/VSWR	1.20 to 1 GHz ,1.35 to 3 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-80dB @ 1GHz
Phase Matching	On Request
Signal Delay	On Request
Power Handling	88watt @ 0.1GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-55°C to +165°C
2002/95/EC(RoHS)	Compliant

Cable Specifications

Center Conductor	Silver plated copper
Dielectric	Solid PTEE
Jacket	FEP
Capacitance(pF/m)	94
Velocity of propagation(%)	70
Min. bending radius(mm)	15
Jacket Diameter(mm)	2.9

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)	
		1GHz	3GHz
GAR3D-SMBMSMBM-5000	5000±20	4.65	7.85
GAR3D-SMBMSMBM-2000	2000±10	1.95	3.25
GAR3D-SMBMSMBM-1000	1000±10	1.05	1.75
GAR3D-SMBMSMBM-500	500±10	0.65	1.04

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