



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

Configuration

Connector 1 Type	BNC Female
Connector 1 Body Style	Straight
Body Material and Plating	Brass Nickel Plated
Connector 1 Mount Method	None
Connector 2 Type	SMA Female
Connector 2 Body Style	Straight
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	RG142 Series

Electrical Specifications

Impedance	50 Ω
Frequency	DC to 3 GHz
Return Loss/VSWR	1.25 to 1 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	260watt @ 2.5GHz at sea level,VSWR1.0

Environmental Data

Temperature Range	-40°C to +85°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)	25
Jacket Diameter(mm)	4.95±0.13

Part Number List

Part Number	Length [mm]	Insertion Loss ≤(dB)	
		1GHz	3GHz
GAR1-BNCFSMF-1000	1000±10	0.69	1.15
GAR1-BNCFSMF-2000	2000±20	1.17	2.12
GAR1-BNCFSMF-3000	3000±20	1.73	3.06
GAR1-BNCFSMF-5000	5000±30	2.84	4.95
GAR1-BNCFSMF-10000	10000±30	4.83	8.94

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