



\* 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	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 $\Omega$
Frequency	DC to 10 GHz
Return Loss/VSWR	1.25 to 5 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 +125°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)	
		3GHz	5GHz
GAR1-SMMSMF-3000	3000±20	2.45	3.35
GAR1-SMMSMF-1500	1500±20	1.4	1.85
GAR1-SMMSMF-1000	1000±10	1.05	1.35
GAR1-SMMSMF-500	500±10	0.7	0.85

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.