



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

## Configuration

Connector 1 Type	SMA Female
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-SMFSMF-3000	3000±20	2.45	3.35
GAR1-SMFSMF-1500	1500±20	1.4	1.85
GAR1-SMFSMF-1000	1000±10	1.05	1.35
GAR1-SMFSMF-500	500±10	0.7	0.85

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