



\* 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 $\Omega$
Frequency	DC to 6 GHz
Return Loss/VSWR	1.5 to 6 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-70dB @ 1GHz
Power Handling	88watt @ 1.5GHz at sea level,VSWR1.0

### Environmental Data

Temperature Range	-40°C to +165°C
2002/95/EC(RoHS)	Compliant

## 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-SMMIPXF1-1000	1000±10	1.7	2.95
GAR8-SMMIPXF1-800	800±10	1.33	2.44
GAR8-SMMIPXF1-500	500±10	0.95	1.75
GAR8-SMMIPXF1-100	100±5	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.