



\* 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	Bulkhead
Connector 2 Type	MMCX Male
Connector 2 Body Style	Right Angle
Body Material and Plating	Brass Gold Plated
Connector 2 Mount Method	None
Cable Type	RG178 Series

### Electrical Specifications

Impedance	50 $\Omega$
Frequency	DC to 6 GHz
Return Loss/VSWR	1.35 to 3 GHz
Phase Stability vs. Flexure	N/A
Amplitude Stability	N/A
Shielding Effectiveness	<-70dB @ 1GHz
Phase Matching	On request
Signal Delay	On request
Power Handling	88watt @ 1.5GHz at sea level,VSWR1.0

### Environmental Data

Temperature Range	-40°C to +165°C
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 $\leq$ (dB)	
		1GHz	3GHz
GAR8-SMYFMMCXWM-2000	2000 $\pm$ 10	3.05	5.35
GAR8-SMYFMMCXWM-1000	1000 $\pm$ 10	0.65	2.95
GAR8-SMYFMMCXWM-800	800 $\pm$ 10	1.33	2.44
GAR8-SMYFMMCXWM-500	500 $\pm$ 10	0.95	1.75
GAR8-SMYFMMCXWM-100	100 $\pm$ 10	0.28	0.52

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