



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

### Configuration

|                           |                     |
|---------------------------|---------------------|
| Connector 1 Type          | BNC Male            |
| Connector 1 Body Style    | Straight            |
| Body Material and Plating | Brass Nickel Plated |
| Connector 1 Mount Method  | None                |
| Connector 2 Type          | SMA Male            |
| Connector 2 Body Style    | Right Angle         |
| Body Material and Plating | Brass Gold Plated   |
| Connector 2 Mount Method  | None                |
| Cable Type                | RG316 Series        |

### Electrical Specifications

|                             |                                      |
|-----------------------------|--------------------------------------|
| Impedance                   | 50 $\Omega$                          |
| Frequency                   | DC to 3 GHz                          |
| Return Loss/VSWR            | 1.35 to 3 GHz                        |
| Phase Stability vs. Flexure | N/A                                  |
| Amplitude Stability         | N/A                                  |
| Shielding Effectiveness     | <-60dB @ 1GHz                        |
| Phase Matching              | On request                           |
| Signal Delay                | On request                           |
| Power Handling              | 88watt @ 1.5GHz at sea level,VSWR1.0 |

### Environmental Data

|                   |                 |
|-------------------|-----------------|
| Temperature Range | -45°C to +125°C |
| 2002/95/EC(RoHS)  | Compliant       |

**Cable Specifications**

|                            |                      |
|----------------------------|----------------------|
| Center Conductor           | Silver plated copper |
| Dielectric                 | Solid extruded PTFE  |
| Jacket                     | FEP                  |
| Capacitance(pF/m)          | 94                   |
| Velocity of propagation(%) | 70                   |
| Min. bending radius(mm)    | 15                   |
| Jacket Diameter(mm)        | 2.54                 |

**Part Number List**

| Part Number        | Length [mm]   | Insertion Loss $\leq$ (dB) |      |
|--------------------|---------------|----------------------------|------|
|                    |               | 1GHz                       | 3GHz |
| GAR3-BNCMSMWM-5000 | 5000 $\pm$ 20 | 4.65                       | 7.85 |
| GAR3-BNCMSMWM-2000 | 2000 $\pm$ 10 | 1.95                       | 3.25 |
| GAR3-BNCMSMWM-1000 | 1000 $\pm$ 10 | 1.05                       | 1.75 |
| GAR3-BNCMSMWM-500  | 500 $\pm$ 10  | 0.65                       | 1.04 |

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.