



\* 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          | SSMB Female       |
| 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        | 1.25 to 3 GHz                        |
| 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)        | 2.25±0.13            |

## Part Number List

| Part Number          | Length [mm] | Insertion Loss ≤(dB) |      |
|----------------------|-------------|----------------------|------|
|                      |             | 1GHz                 | 3GHz |
| GAR8-SMYFSSMBWF-2000 | 2000±10     | 3.05                 | 5.35 |
| GAR8-SMYFSSMBWF-1000 | 1000±10     | 1.65                 | 2.95 |
| GAR8-SMYFSSMBWF-800  | 800±10      | 1.33                 | 2.44 |
| GAR8-SMYFSSMBWF-500  | 500±10      | 0.95                 | 1.75 |

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