



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

| Configuration | |
|----------------------------------|-------------------------------------|
| Connector 1 Type | 2.92mm Male |
| Connector 1 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 1 Mount Method | None |
| Connector 2 Type | 2.92mm Male |
| Connector 2 Body Style | Straight |
| Body Material and Plating | Passivated Staindless Steel |
| Connector 2 Mount Method | None |
| Cable Type | 142A Series |
| Electrical Specifications | |
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return Loss/VSWR | 1.44 to 40 GHz |
| Phase Stability vs. Flexure | 2° @ 10GHz ,3° @ 18GHz |
| Amplitude Stability | N/A |
| Shielding Effectiveness | <-100dB @ 1GHz |
| Phase Matching | On request |
| Signal Delay | On request |
| Power Handling | 70watt @ 40GHz 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 | Low Density PTFE |
| Jacket | FEP |
| Capacitance(pF/m) | 80.38 |
| Velocity of propagation(%) | 83 |
| Min. bending radius(mm) | 9.65 |
| Jacket Diameter(mm) | 3.61±0.13 |

Part Number List

| Part Number | Length [mm] | Insertion Loss ≤(dB) | | | |
|---------------------|-------------|----------------------|-------|---------|-------|
| | | 10GHz | 18GHz | 26.5GHz | 40GHz |
| GAA1-292M292M-10000 | 10000±50 | 11.04 | 14.98 | 18.4 | 22.8 |
| GAA1-292M292M-8000 | 8000±30 | 8.89 | 12.06 | 14.76 | 18.4 |
| GAA1-292M292M-3000 | 3000±30 | 3.51 | 4.76 | 5.83 | 7.3 |
| GAA1-292M292M-2000 | 2000±20 | 2.45 | 3.40 | 4.04 | 5.1 |
| GAA1-292M292M-1500 | 1500±15 | 1.89 | 2.57 | 3.15 | 3.9 |
| GAA1-292M292M-1200 | 1200±12 | 1.58 | 2.14 | 2.61 | 3.3 |
| GAA1-292M292M-1000 | 1000±10 | 1.36 | 1.85 | 2.25 | 2.8 |
| GAA1-292M292M-600 | 600±10 | 0.93 | 1.26 | 1.55 | 1.91 |
| GAA1-292M292M-550 | 550±10 | 0.89 | 1.19 | 1.46 | 1.81 |
| GAA1-292M292M-500 | 500±10 | 0.85 | 1.12 | 1.36 | 1.70 |
| GAA1-292M292M-250 | 250±10 | 0.553 | 0.747 | 0.91 | 1.125 |
| GAA1-292M292M-200 | 200±10 | 0.51 | 0.68 | 0.83 | 1.02 |

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