


## Коаксиальные кабели серии RG

| Product Type                               |                  | RG316  |                    |                      |
|--|------------------|--|--------------------|----------------------|
| Structure Drawing                          |                  |  |                    |                      |
| Structure Characteristic                   |                  |  |                    |                      |
| Structure                                  | Item             | Standard Value   |                    |                      |
| Inner Conductor                            | Material         | Silver Plated Copper   |                    |                      |
|  | Construction(mm) | 7/0.17   |                    |                      |
|  | Nom.Dia(mm)      | 0.52   |                    |                      |
| Insulation                                 | Material         | PTFE   |                    |                      |
|  | Nom.Dia(mm)      | 1.52   |                    |                      |
| Outer Conductor                            | Material         | Silver Plated Copper   |                    |                      |
|  | Nom.Dia(mm)      | 1.95   |                    |                      |
| Jacket                                     | Material         | FEP  |                    |                      |
|  | Nom.Dia(mm)      | 2.50   |                    |                      |
| Electrical Characteristics                 |                  |  |                    |                      |
| Item                                       | Standard Value   | Attenuation and Power handling@25°C and Sea Level                                  |                    |                      |
|  |                  | Frequency (MHz)  | Attenuation (dB/m) | Power handling ( w ) |
| Impedance (Ω)                              | 50±2             | 0.1GHz   | 0.26               | 340                  |
| Capacitance(pF/m)                          | 95               | 0.2GHz   | 0.38               | 240                  |
| Velocity( %)                               | 70               | 0.4GHz   | 0.53               | 170                  |
| VSWR                                       | ≤1.15@DC-3GHz    | 0.9GHz   | 0.82               | 113                  |
|  |                  | 1.2GHz   | 0.95               | 98                   |
| Max Operating Voltage(v)                   | 900              | 1.5GHz   | 1.06               | 88                   |
|  |                  | 1.8GHz   | 1.17               | 80                   |
| Max Operating Frequency(GHz)               | 6.0              | 2.0GHz   | 1.24               | 76                   |
|  |                  | 2.5GHz   | 1.39               | 68                   |
| Screening Effectiveness (dB)               | > 60             | 3.0GHz   | 1.53               | 62                   |
|  |                  | 6.0 GHz  | 2.16               | 48                   |
| Mechanical & Environmental Characteristics |                  |  |                    |                      |
| Min Bending Radius/Single                  |                  | mm   | 15                 |                      |
| Min Bending Radius/Repeated                |                  | mm   | 30                 |                      |
| Weight                                     |                  | kg/M   | 0.015              |                      |
| Operating Temperature                      |                  | °C   | -55-+200           |                      |