


## Коаксиальные кабели серии RG

| Product Type                               |                  | LMC RG223  |                    |                      |
|--|------------------|--|--------------------|----------------------|
| Structure Drawing                          |                  |  |                    |                      |
| Structure Characteristic                   |                  |  |                    |                      |
| Structure                                  | Item             | Standard Value   |                    |                      |
| Inner Conductor                            | Material         | Silver Plated Copper   |                    |                      |
|  | Construction(mm) | 1/0.90   |                    |                      |
|  | Nom.Dia(mm)      | 0.90   |                    |                      |
| Insulation                                 | Material         | PE   |                    |                      |
|  | Nom.Dia(mm)      | 2.95   |                    |                      |
| Inner shield                               | Material         | Silver Plated Copper Wire  |                    |                      |
|  | Nom.Dia(mm)      | 3.50   |                    |                      |
| Outer shield                               | Material         | Silver Plated Copper Wire  |                    |                      |
|  | Nom.Dia(mm)      | 3.95   |                    |                      |
| Jacket                                     | Material         | Black PVC  |                    |                      |
|  | Nom.Dia(mm)      | 5.30   |                    |                      |
| 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   | 0.13               | 200                  |
| Capacitance(pF/m)                          | 101              | 0.4GHz   | 0.29               | 86                   |
| Velocity( %)                               | 66               | 0.9GHz   | 0.45               | 57                   |
| VSWR                                       | ≤1.15@DC-3GHz    | 1.2GHz   | 0.54               | 46                   |
|  |                  | 1.5GHz   | 0.61               | 41                   |
| Max Operating Voltage(v)                   | 1400             | 1.8GHz   | 0.69               | 32                   |
|  |                  | 2.0GHz   | 0.73               | 30                   |
| Max Operating Frequency(GHz)               | 12.4             | 2.5GHz   | 0.83               | 27                   |
|  |                  | 3.0GHz   | 0.86               | 25                   |
| Screening Effectiveness (dB)               | > 80             | 5.0GHz   | 1.09               | 21                   |
|  |                  | 6.0GHz   | 1.78               | 20                   |
| Mechanical & Environmental Characteristics |                  |  |                    |                      |
| Min Bending Radius/Single                  |                  | mm   | 25                 |                      |
| Min Bending Radius/Repeated                |                  | mm   | 50                 |                      |
| Weight                                     |                  | kg/M   | 0.057              |                      |
| Operating Temperature                      |                  | °C   | -40-+85            |                      |