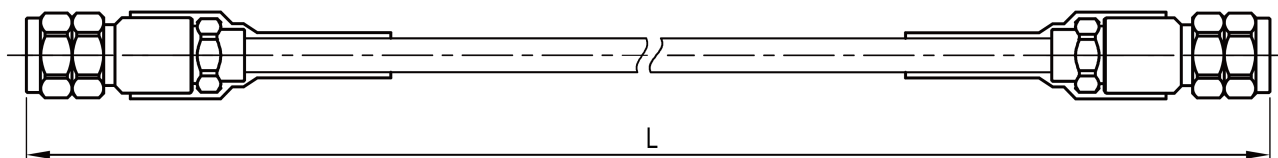




## High-Performance Test Coaxial Cable Assembly, RCT360-UMUM-L 2.4mm Male to 2.4mm Male, DC-50GHz, ø3.6mm

### Dimensions(mm) Tolerance $\pm 1\%$



### Electrical & Environmental

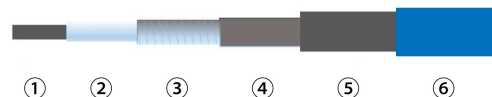
|                         |                        |
|-------------------------|------------------------|
| Frequency Range         | DC-50GHz, 50 Ohms      |
| Avg Power@25°C          | 66W @50GHz, 203W @6GHz |
| Insertion Loss@1M       | 3.84 dB Max @50GHz     |
| VSWR                    | 1.3 Max                |
| Velocity of Propagation | 76%                    |
| Shielding Effectiveness | 90dB Min               |
| Attenuation stability   | $\pm 0.05$ dB Max      |
| Withstand Voltage       | 500V@DC                |
| Mechanical Phase        | $\pm 7^\circ$          |
| OT                      | -55~+165°C             |

### Product Information

|                        |                                              |
|------------------------|----------------------------------------------|
| Product Number         | RCT360-UMUM-L                                |
| Product Type           | High-Performance Test Coaxial Cable Assembly |
| Cable                  | RCT360                                       |
| Connector              | 2.4mm Male to 2.4mm Male                     |
| Connector Body         | Passivated stainless steel                   |
| Center Contact         | Gold plated beryllium copper                 |
| Bend Radius            | 18.00mm                                      |
| Bend Radius (Repeated) | 36.00mm                                      |

Customized services: including connectors, length, phase matching/tracking, time delay, and better electrical performance.

### RCT360 Structure Characteristics



| Structure          | Material                           | ΦD(mm) |
|--------------------|------------------------------------|--------|
| 1.Center Conductor | Single-core Silver-plated Copper   | 0.72   |
| 2.Dielectric       | LD-PTFE                            | 2.10   |
| 3.Inner shield     | Silver-plated Copper Tape Wrapping | 2.25   |
| 4.Interlayer       | LD-PTFE                            | 2.55   |
| 5.Outer Shield     | Silver-plated Copper Wire Braiding | 3.01   |
| 6.Jacket           | Blue FEP                           | 3.60   |

### Product Selection and Loss Index @25°C

| RFTOP P/N        | 3GHz    | 26GHz   | 50GHz   |
|------------------|---------|---------|---------|
| RCT360-UMUM-150  | 0.38 dB | 0.64 dB | 0.79 dB |
| RCT360-UMUM-300  | 0.5 dB  | 1.02 dB | 1.33 dB |
| RCT360-UMUM-600  | 0.75 dB | 1.79 dB | 2.4 dB  |
| RCT360-UMUM-1M   | 1.09 dB | 2.82 dB | 3.84 dB |
| RCT360-UMUM-1.5M | 1.51 dB | 4.11 dB | 5.64 dB |
| RCT360-UMUM-2M   | 1.93 dB | 5.39 dB | 7.43 dB |