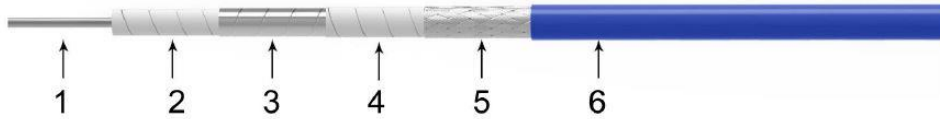


67GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P6, 1.85mm male to 1.85mm male 1.0Meter

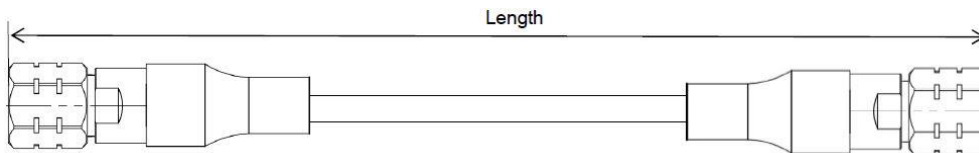
P.N. : B-P618.18P0.1

Cable Structure



| Structure | Diameter (mm) | Material |
|---------------------|---------------|---------------------------------|
| 1. Center Conductor | 0.51 ±0.02 | Solid silver plated copper |
| 2. Dielectric | 1.60 ±0.05 | Ultra-Low density PTFE |
| 3. Outer conductor | 1.70 ±0.05 | Silver plated copper tape wrap |
| 4. Interlayer | 2.00 ±0.05 | Low density PTFE |
| 5. Outer shield | 2.25 ±0.05 | Silver plated copper wire braid |
| 6. Jacket | 2.60 ±0.10 | FEP |

Cable Assembly



- Length is measured from one connector end to the other connector end as shown above. For RA connectors, use the pin center-line.

Cable Assembly Configuration

| | |
|------------------------------------|---|
| Connector (Right) | 1.85mm male, straight |
| Body/Coupling Nut/Contact Material | Passivated s/steel, Gold plated BeCu contacts |
| Connector (Left) | 1.85mm male, straight |
| Body/Coupling Nut/Contact Material | Passivated s/steel, Gold plated BeCu contacts |
| Cable Type | P6-260 |

Cable Assembly



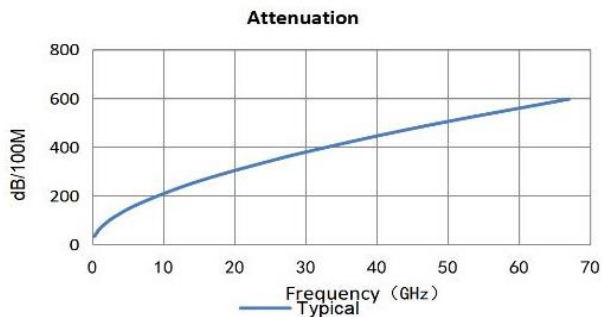
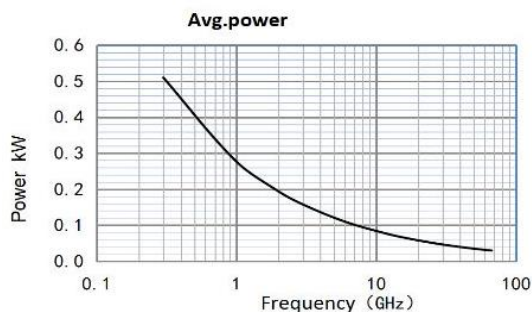
67GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P6, 1.85mm male to 1.85mm male 1.0Meter

P.N. : B-P618.18P0.1

Electrical Specification

| | | | | | | |
|--|------------------------------|--------|---------|--------|--------|--------|
| Frequency Range | DC-67GHz | | | | | |
| Impedance | 50 ohm | | | | | |
| VSWR Max | 1.40:1 (DC ~ 67GHz) | | | | | |
| V. P | 75% | | | | | |
| Withstanding Volt | 500V DC | | | | | |
| Shielding effectiveness | >90dB | | | | | |
| Mechanical Phase Stability | 7°@67GHz | | | | | |
| Temperature Phase Stability | 500PPM(-50°C to +80 °C) | | | | | |
| Mechanical Amplitude Stability | ±0.06dB@50GHz, ±0.07dB@67GHz | | | | | |
| Max Attenuation vs Frequency dB/M (*With two connectors) @ 25°C | 12GHz | 18GHz | 26.5GHz | 40GHz | 50GHz | 67GHz |
| | 2.80dB | 3.36dB | 4.04dB | 4.98dB | 5.90dB | 7.10dB |
| Avg Power at sea level @ 40°C | 74W | 59W | 48W | 38W | 34W | 29W |



Environmental Specification

| | |
|-----------------------|-----------------|
| Operating Temperature | -65°C to +85 °C |
| Storage Temperature | -55°C to +85 °C |

Mechanical Specification

| | |
|-----------------------------|---------------------------------|
| Min Bending Radius static | 13mm |
| Min Bending Radius repeated | 26mm |
| Weight | 34 gram / Meter (Cable itself) |

67GHz Phase Stable, Low loss Cable Assembly

Cable Assembly, P6, 1.85mm male to 1.85mm male 1.0Meter

P.N. : B-P618.18P0.1

Test Data

