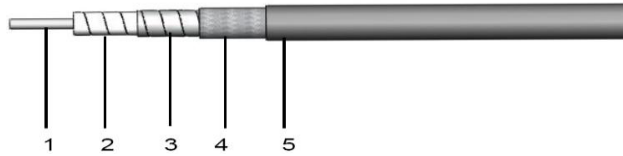


67GHz Phase Stable, Low loss Cable Assembly

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

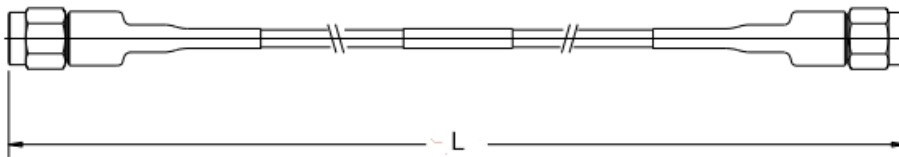
P.N. : B-P618.1800.1

Cable Structure



Structure	Diameter (mm)	Material
1. Center Conductor	0.51 ±0.02	Solid silver plated copper
2. Dielectric	1.43 ±0.05	Ultra-Low density PTFE
3. Outer conductor	1.55 ±0.05	Silver plated copper tape wrap
4. Outer shield	1.85 ±0.05	Silver plated copper wire braid
5. Jacket	2.20 ±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	P6L220

Cable Assembly



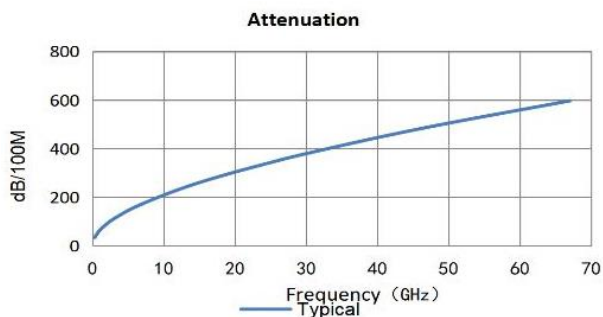
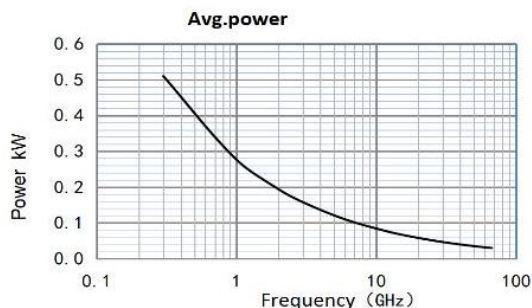
67GHz Phase Stable, Low loss Cable Assembly

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

P.N. : B-P618.1800.1

Electrical Specification

Frequency Range	DC-67GHz					
Impedance	50 ohm					
VSWR Max	1.40:1 (DC ~ 67GHz)					
V. P	80%					
Withstanding Volt	500V DC					
Shielding effectiveness	>90dB					
Mechanical Phase Stability	$\pm 8^\circ @ 50\text{GHz}$, $\pm 10^\circ @ 67\text{GHz}$					
Temperature Phase Stability	500PPM(-50°C to +80 °C)					
Mechanical Amplitude Stability	$\pm 0.06\text{dB} @ 50\text{GHz}$, $\pm 0.07\text{dB} @ 67\text{GHz}$					
Max Attenuation vs Frequency dB/M (*With two connectors) @ 25°C	12GHz	18GHz	26.5GHz	40GHz	50GHz	67GHz
	2.80dB	3.36dB	4.04dB	4.95dB	5.85dB	7.00dB
Avg Power at sea level @ 40°C	76W	61W	49W	39W	35W	29W



Environmental Specification

Operating Temperature	-65°C to +165 °C
Storage Temperature	-55°C to +165 °C

Mechanical Specification

Min Bending Radius static	18mm
Min Bending Radius repeated	36mm
Weight	34 gram / Meter (Cable itself)