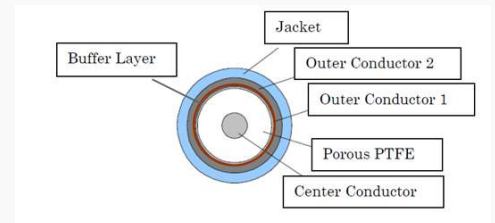
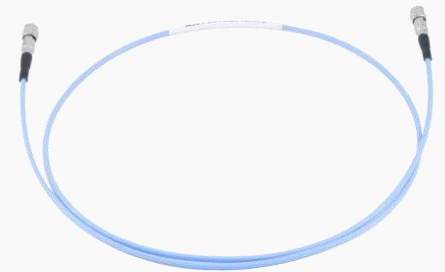


W2 Series are complete line of high performance flexible microwave cable assemblies. Specially, **W201 Series** have low density PTFE structure to achieve velocity propagation of **78 %**.

W201 series have excellent RF performance up to 50, 67 GHz with 2.4 mm & 1.85 mm connectors, respectively.

■ **Features**

- Center Conductor : Silver Plated Copper
- Insulator : Low Density PTFE
- Outer Conductor 1 : Silver Plated Copper Tape
- Buffer Layer : Resinous Tape
- Outer Conductor 2 : Silver Plated Copper Tape
- Jacket : FEP (Sky-Blue)



■ **Specification**

| Scope | Specification | W201 (50,67 GHz) | |
|----------------------------|--|------------------|-----------------|
| Physical | Center Conductor (mm) | 0.51 | |
| | Insulator (mm) | 1.53 | |
| | Outer Conductor 1 (mm) | 1.64 | |
| | Buffer layer | Resinous tape | |
| | Outer Conductor 2 (mm) | 2.16 | |
| | Jacket | 2.70 ± 0.05 | |
| Electrical | Characteristic Impedance | 50 ± 1 Ohm | |
| | Velocity of Propagation (%) | Typical 78 | |
| | Capacitance | 85 pF/m | |
| | VSWR (based on connector selection) | | < 1.3 to 50 GHz |
| | | | < 1.4 to 67 GHz |
| | Attenuation at 20 °C (Typical) | at 26.5 GHz | 3.5 dB/m |
| | | at 40 GHz | 4.4 dB/m |
| at 50 GHz | | 5.0 dB/m | |
| at 67 GHz | | 5.9 dB /m | |
| Mechanical & Environmental | Weight (g/M) | 20 | |
| | Min. bending radius | 15 | |
| | Operating Temperature | -40 ~+85 °C * | |

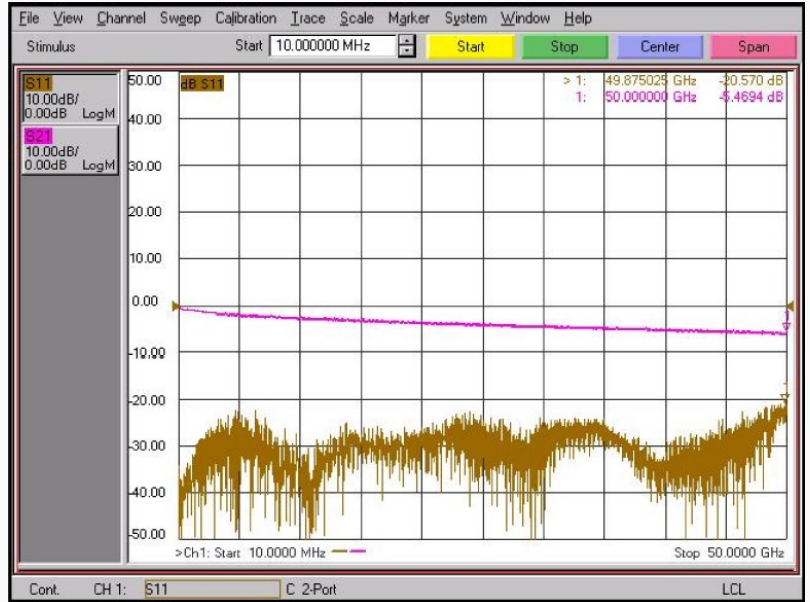
* Adhesive type shrinkable tube: - -40 ~+85 °C / Non-adhesive type shrinkable tube: - -40 ~ + 125 °C

■ **Test Result**

W201 cable assembly

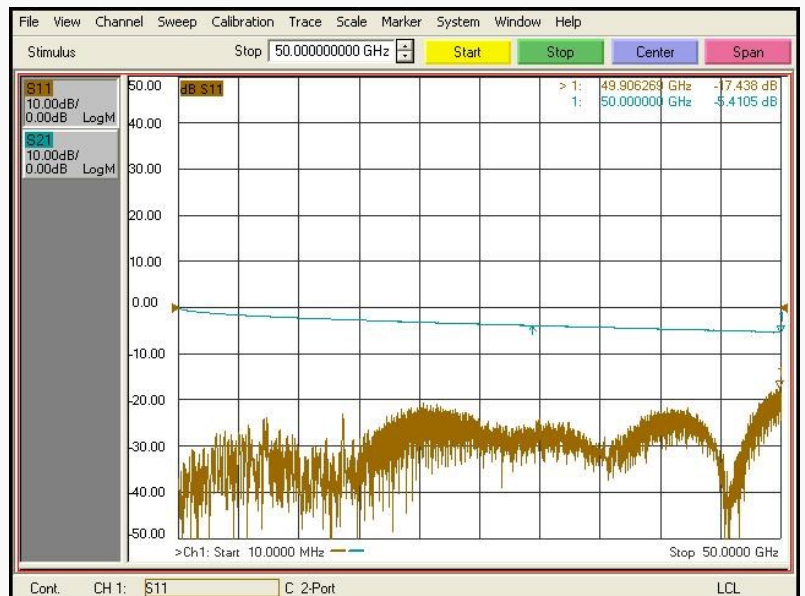
Part No. : W201-2M12M1-1M

- Frequency : 10 MHz to 50 GHz
- Connector : 2.4 mm (Male)
- Cable Length : 1 meter



Part No. : W201-2F12F1-1M

- Frequency : 10 MHz to 50 GHz
- Connector : 2.4 mm (Female)
- Cable Length : 1 meter

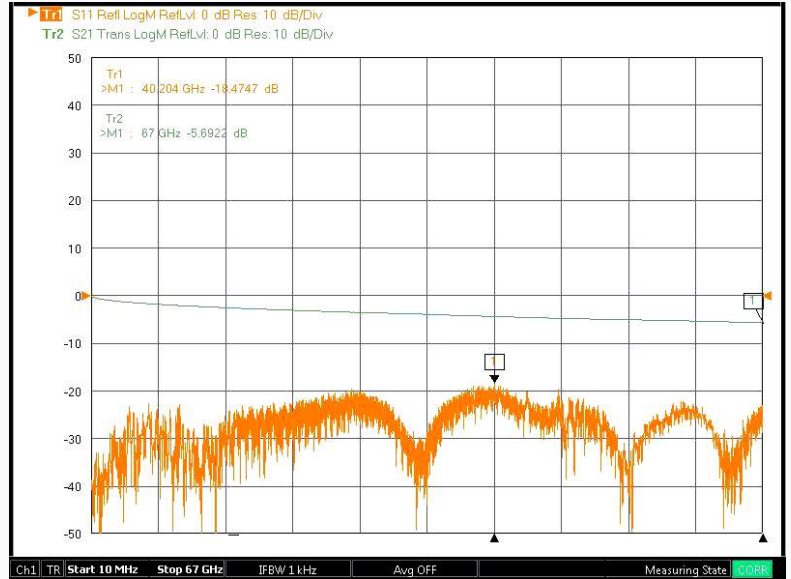


■ **Test Result**

W201 cable assembly

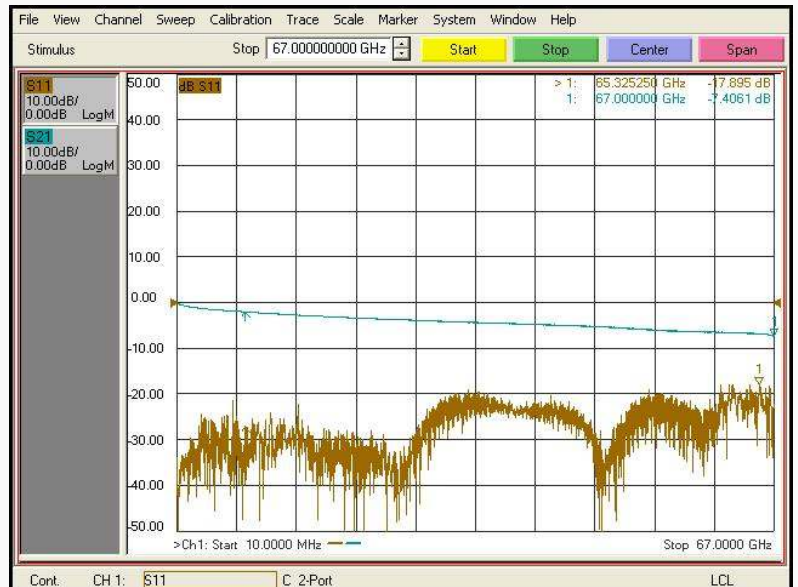
Part No. : W201-VM1VM1-1M

- Frequency : 10 MHz to 67 GHz
- Connector : 1.85 mm (Male)
- Cable Length : 1 meter

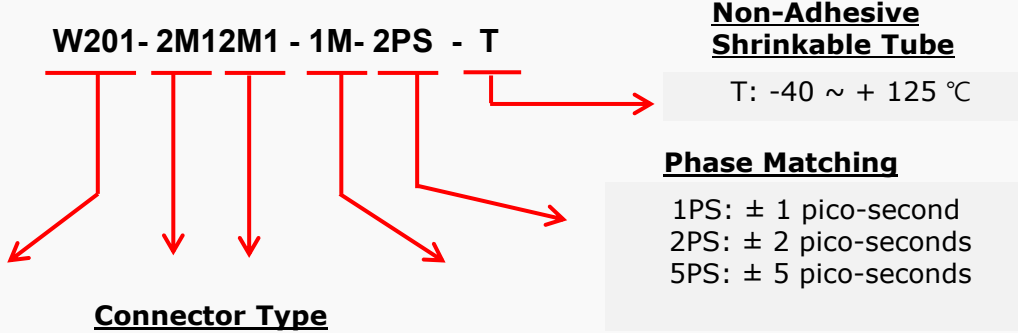


Part No. : W201-VF1VF1-1M

- Frequency : 10 MHz to 67 GHz
- Connector : 1.85 mm (Female)
- Cable Length : 1 meter



■ **Selection Guide**



| Cable Type | Connector Type | Cable Length |
|-------------------|--|---------------------|
| W201 | 2M1 : 2.4 mm Male 2F1 : 2.4 mm Female VM1 : 1.85 mm Male VF1 : 1.85 mm Female | Unit : Meter |



■ **Revision History**

| Revision | Date | Changes |
|-----------------|-------------|---|
| Ver 1.0 | 2016-09-27 | Released W201 Cable Assembly |
| Ver.1.4 | 2019-07-03 | Add Female type |
| Ver 1.5 | 2020-04-08 | Update specification |
| Ver 1.6 | 2021-06-22 | Updated test result |
| Ver 1.7 | 2022-04-22 | Updated Temperature spec. according to tube |