

1.0mm Connectors and Adapters

RF Solutions

Johnson, a leading global supplier of high performance RF and microwave connectors, is announcing the introduction of a new line of 1.0 mm (W) connectors and adapters family, further expanding our millimeter wave portfolio. The family of parts includes end launch and panel end launch screw-on style connectors, sparkplugs, and in-series adapters. They are designed to serve the 110 GHz (5G) testing requirements for R&D lab usage in the test and measurement and semiconductor markets.

They are designed for market leading operation DC to 110 GHz, 50 ohm impedance, with our high quality standards, ruggedness and durability, offering excellent performance and repeatability, low VSWR, insertion loss, and return loss.

Features

- 1.0 mm Interface
- 110GHz Bandwidth
- End Launch, Sparkplug, Panel Mount and Adapters
- No Soldering Required

Specifications

- Durability: 500 cycles min
- VSWR: 1.38 max at 110 GHz
- Return Loss: 15 dB max from DC – 67 GHz; 10 dB max from 67 – 110 GHz
- Insertion Loss: 0.7 dB typical



| Part Number | Description |
|--------------|--|
| 149-0701-601 | 1.0mm Female Panel End Launch - 110 GHz |
| 149-0801-801 | 1.0mm Male End Launch - 110 GHz, Screw-on Type |
| 149-0701-801 | 1.0mm Female End Launch - 110 GHz, Screw-on Type |
| 149-0801-001 | 1.0mm Male Sparkplug Connector |
| 149-0701-001 | 1.0mm Female Sparkplug Connector |
| 149-0901-801 | 1.0mm Male to Male Adapter |
| 149-0901-811 | 1.0mm Male to Female Adapter |
| 149-0901-821 | 1.0mm Female to Female Adapter |