

Applications



RF Testing Equipment



5G Base Stations



Satellite Systems



Milimeter Wave



COAX 1.0mm



IEEE

Introducing Hirose's 1.0mm Series—a compact 1.0mm coaxial receptacle connector engineered for high-frequency performance up to 110GHz. Fully compliant with IEEE-Std-287, the 1.0mm Series features a screw-mount structure that provides secure, reusable connections without soldering.

The compression-mount center contact accommodates varying PCB thicknesses, ensuring versatility across test systems and mmWave applications. Ideal for RF evaluation boards, high-speed signal measurement, and compact communication modules, the 1.0mm Series offers precision, repeatability, and space-saving integration.

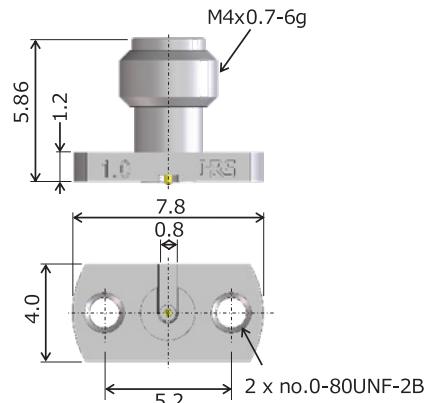
KEY BENEFITS OF THE 1.0mm SERIES INCLUDE:

- Complies with IEEE-STD-287 Standard
- Supports up to 110GHz frequency
- Screw Mounting
 - Provides superior high-frequency performance with reliable mounting quality
 - Reusable
 - Reduces mounting complexity (No Soldering is required)
- Accommodates flexible PCB thickness with the compression-mount center contact



MM Wave 1.0mm 110 GHz Solutions

**High-Frequency Precision
and Rugged RF performance**



CLICK HERE
FOR MORE INFORMATION

**CLICK HERE TO ORDER
SAMPLE NUMBER:
US-1.0SAMPLE-25**

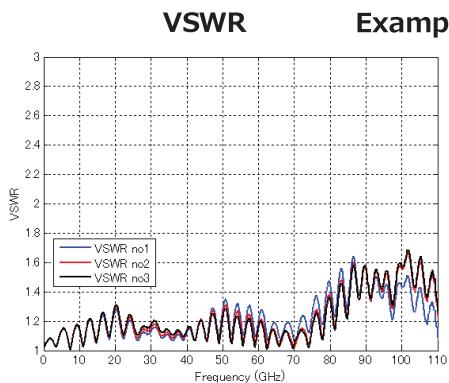
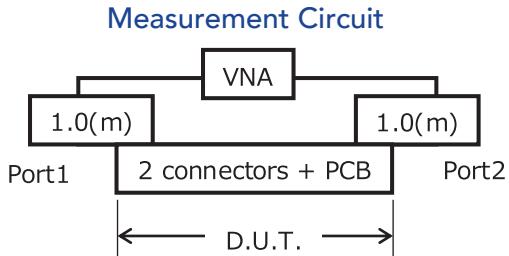
Screw Mounting

**Designed for
Consistent &
Reusable Mounting**

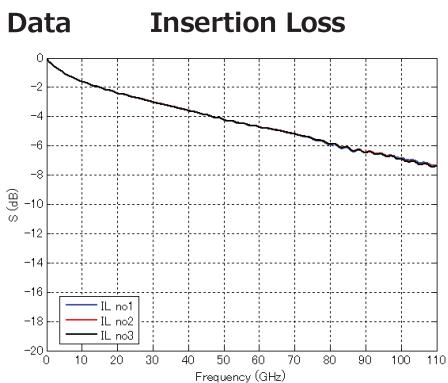
	Performance
1.0-R-SR2-S	
<i>Frequency</i>	0 to 110 GHz
<i>VSWR</i>	1.8 Max at 110 GHz
<i>Temp</i>	0°C to 60°C
<i>PCB Trace Support</i>	Stripline, Microstrip

Flexible PCB Thickness

Adapts Easily to Various Board Designs Without Soldering



Example Test Data



Specifications

Part No.	H1.0-R-SR2-S
Connector Type	Receptacle
Generic Type	1.0mm
Frequency (Max.)	110.0 GHz
Number of Positions	1
Mounting Style	Screw-fix
Center Contact Plating	Gold
Operating Temperature Max.	65 °C
SVHC	Contained
PCB Stabilizing Feature	Screw
Finish on Shell	Passivate
Connector Length	4.0 mm
Connector Height	5.86 mm
Packaging Type	Bag

CL No.	CL0338-0019-0-00
Industry Standard	null
Cable Assembly	No
Characteristic Impedance	50.0 Ω
Mating/Unmating Cycles	300
Connector Orientation	Straight
Operating Temperature Min.	0 °C
RoHS (EU)2015/863	Conforming
Locking Style	Screw
Insulation Material	PTFE
Connector Width	7.8 mm
Purchase Unit	20 PCS
Mass	0.46 g
Qty/Box	500 PCS



For additional information please go to
<https://www.hirose.com/en/product/series/1.0mm>
 Specifications herein are subject to change without notice.
 Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

