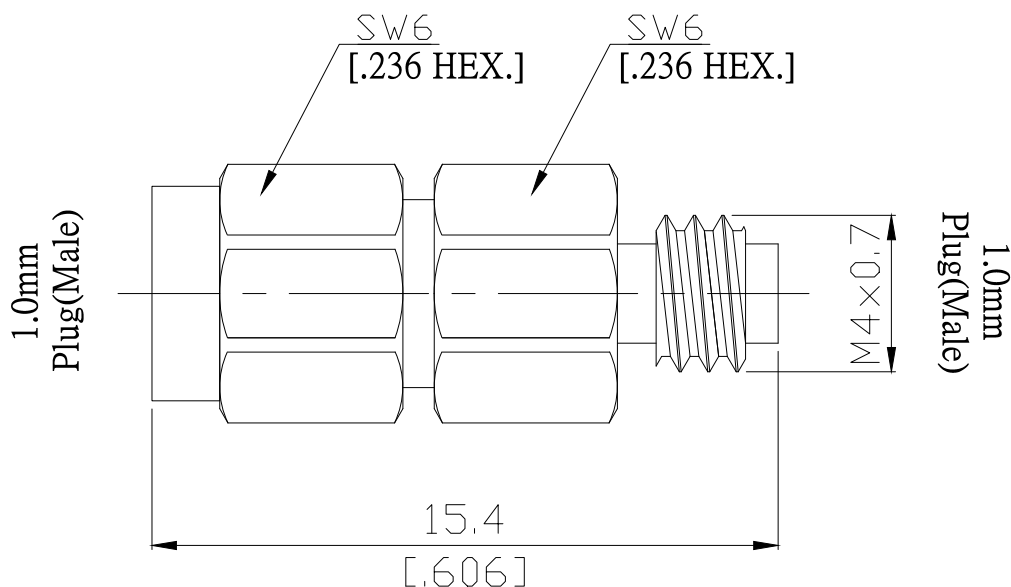




1.0mm Plug (Male) to 1.0mm Jack (Female) Fixed Attenuator  
DC-110GHz VSWR1.6

**FA-W1W25A-110G1W3 / 9XX-9X**



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

**Interface**

Mechanically compatible with

1.85mm

According to

IEC 61169-40, IEEE Std 287-2007

**Electrical Data**

Impedance

50  $\Omega$

Frequency

DC to 110 GHz

VSWR (Return Loss)

$\leq 1.60$  ( $\geq 12.7$  dB)

Insertion Loss

$\leq 0.05 \times \sqrt{F}$  (GHz) dB

Insulation Resistance

$\geq 5$  G $\Omega$

Input Power

1 Watts average to 25°C

**Accuracy Of Attenuation & Power**

dB Value	3 dB	6 dB	10 dB
Deviation ( $\pm$ dB)	2	2	2

**Material And Plating**

Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts (2.4mm)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 $\mu$ inch (Non-magnetic nickel-phosphorus underplating, 80 $\mu$ inch)
Body	Stainless Steel	Passivated
Insulator	PEI	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:  
10/7/2018

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N-CAGE Code: SFKK0 / ISO9001 Certified

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DC-110GHz VSWR1.6

**FA-W1W25A-110G1W3 / 9XX-9X**

**Mechanical Data**

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Center Contact Captivation: axial	≥ 10 N
Coupling Test Torque	0.7 Nm max.
Recommended Torque	0.3 to 0.41 Nm

**Environmental Data**

Temperature Range	-40°C to +85°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture Resistance	IEC 61169-1, Subclause 9.4.3
RoHS	compliant

**Packing**

Single or 100