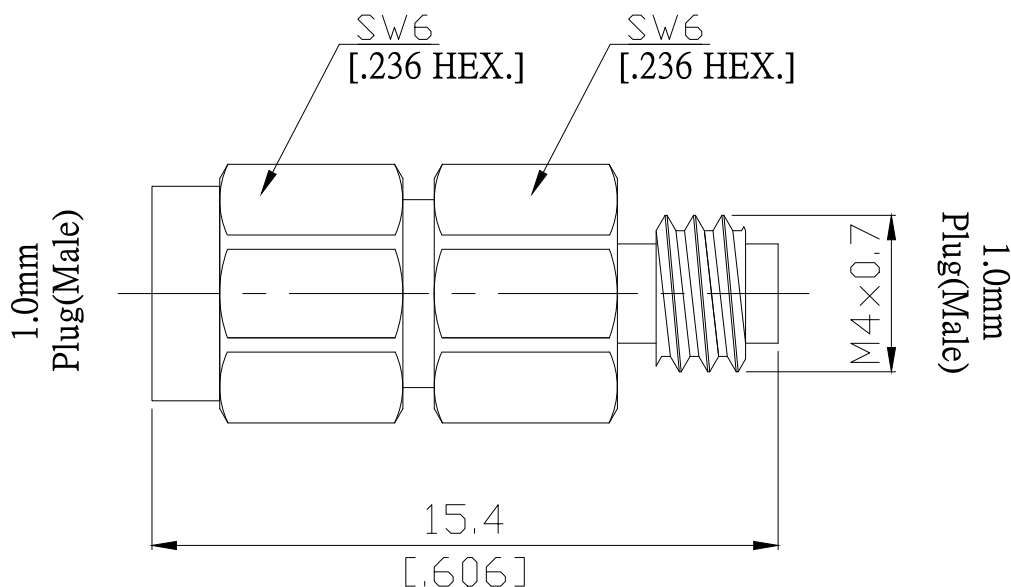


1.0mm Plug (Male) to 1.0mm Jack (Female) Fixed Attenuator
DC-110GHz VSWR1.6

FA-W1W25A-110G1W6 / 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 Ω

Frequency

DC to 110 GHz

VSWR (Return Loss)

≤ 1.60 (≥ 12.7 dB)

Insertion Loss

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

Insulation Resistance

≥ 5 G Ω

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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ 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 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ 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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Page
1/2



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DC-110GHz VSWR1.6

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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