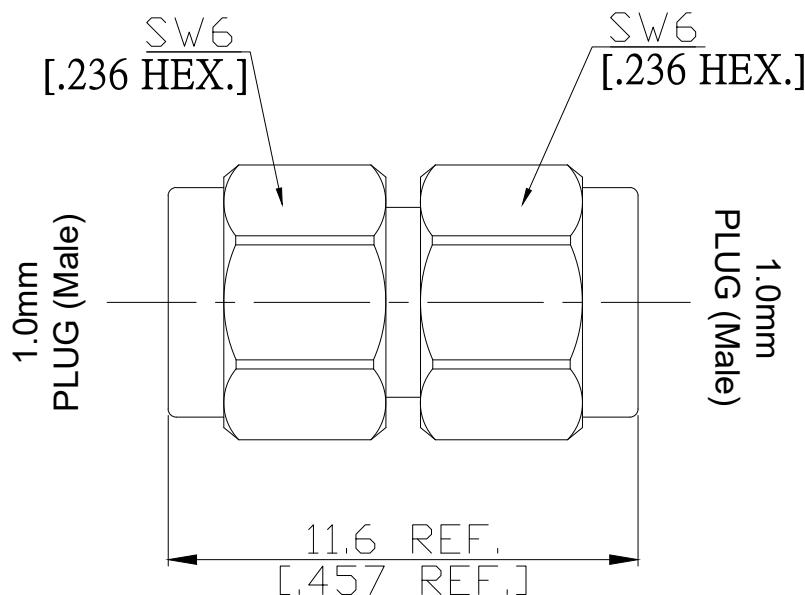


1.0mm plug (male) / 1.0mm plug (male) Adapter DC-110GHz

AD-W1W15A / 9XX-9XX



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

1.0mm Side
IEC 60169-31

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≥ 15 dB, 50 GHz to 75 GHz ≥ 12 dB, 75 GHz to 110 GHz
Insertion Loss	≤ 0.05 x √F (GHz) dB
Center Contact Resistance	≤ 4 mΩ
Outer Contact Resistance	≤ 2 mΩ
Insulation Resistance	≥ 5 GΩ
Dielectric Withstanding Voltage	650 Vrms
RF Leakage	-120 db

Material And Plating

Piece Parts (1.0mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Coupling nut	Stainless Steel	Passivated
Piece Parts (1.0mm)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PS	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated

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:
6/23/2019

Rosnol RF/Microwave Technology Co., Ltd.

www.rosnol.com; info@rosnol.com

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

1.0mm plug (male) / 1.0mm plug (male) Adapter DC-110GHz

AD-W1W15A / 9XX-9XX

Mechanical Data

Coupling mechanisms	1.0mm Side
Mating Cycles	Screw-lock
Maximum torque	≥ 500
Recommended Torque	0.70 Nm
	0.35 Nm

Environmental Data

Temperature Range	-55°C to +165°C
RoHS	compliant

Packing

Standard	Single
Weight	N/A