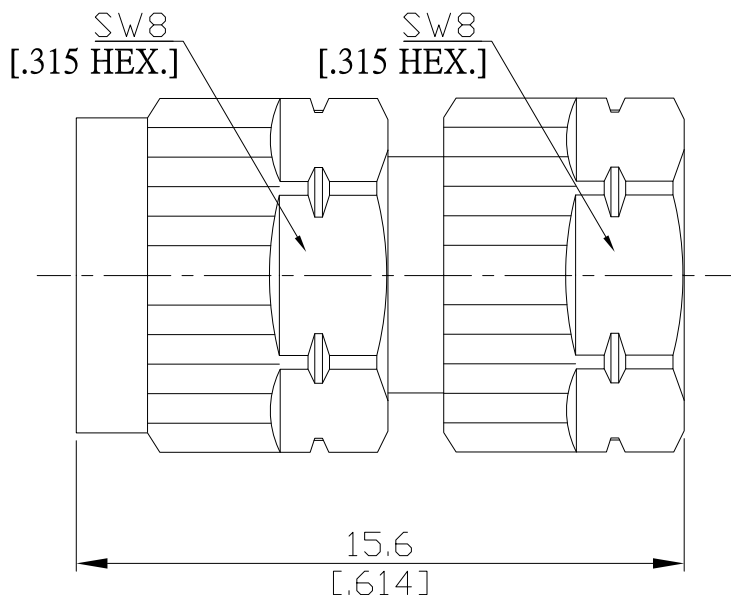




2.4mm Plug (Male) to 2.4mm Plug (Male) Fixed Attenuator
DC-50GHz VSWR1.3

FA-Q1Q15A-50G2W20 / 9XX-9XX



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 50 GHz

VSWR (Return Loss)

≤ 1.30 (≥ 17.7 dB)

Insertion Loss

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

Insulation Resistance

≥ 5 G Ω

Input Power

2 Watts average to 25°C

Accuracy Of Attenuation & Power

ATTN. (dB)	DEVIATION (dB)	AVG. *INPUT POWER @ 25°C
	DC-50 GHz	
1	± 0.50dB	2.0 WATTS
2		
3	± 0.30dB	
4		
5		
6		
7	± 0.50dB	
8		
9		
10		
20	± 0.70dB	
30	± 1.00dB	

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

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

2.4mm Plug (Male) to 2.4mm Plug (Male) Fixed Attenuator DC-50GHz VSWR1.3

FA-Q1Q15A-50G2W20 / 9XX-9XX

Material And Plating

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

Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Center Contact Captivation: axial	≥ 20 N
Weight	0.0040 kg
Coupling Test Torque	1.65 Nm max.
Recommended Torque	0.9 Nm

Environmental Data

Temperature Range	-55°C to +125°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