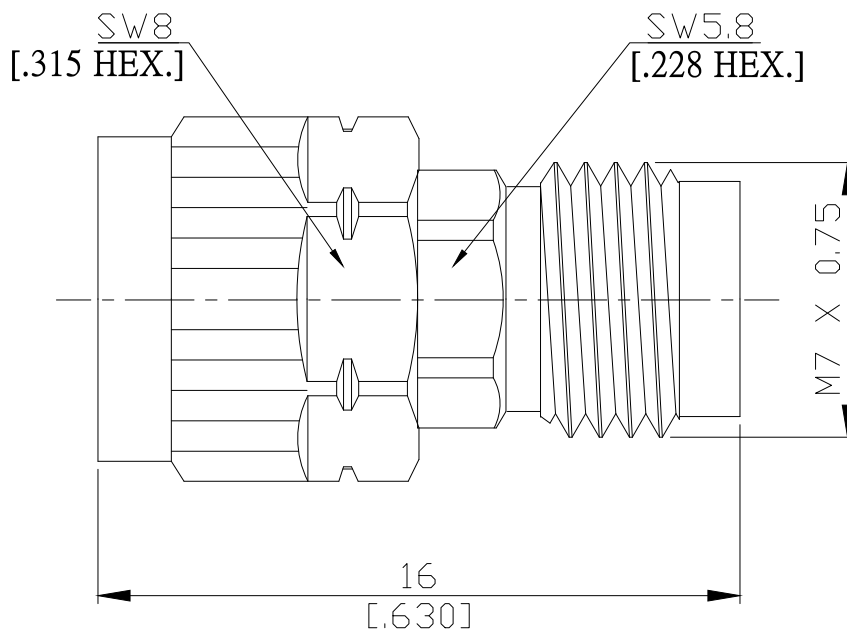


2.4mm Plug (Male) to 2.4mm Jack (Female) Fixed Attenuator
DC-50GHz VSWR1.3

FA-Q1Q25A-50G1W3 / 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 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

1 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		
4	± 0.30dB	
5		
6		
7	± 0.50dB	
8		
9		
10		
20	± 0.70dB	
30	± 1.00dB	

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

FA-Q1Q25A-50G1W3 / 9XX-9X

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	

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