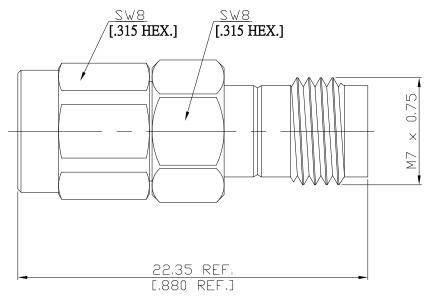


## Technical Data Sheet

## SMA plug (male) / 2.4mm jack (female) Adapter DC-18GHz VSWR1.15

# AD-A1Q25A / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

Mechanically compatible with

According to

IEC 60169-15, MIL-STD-348B/310

2.4mm Side 1.85mm

IEC 61169-40, IEEE Std 287

## Electrical Data

Impedance Frequency VSWR (Return Loss) Insertion Loss

Insulation Resistance Center Contact Resistance SMA Outer Contact Resistance SMA Center Contact Resistance 2.4mm Outer Contact Resistance 2.4mm Test Voltage (at sea level) Working Voltage (at sea level)

RF Leakage

50 Ω

SMA Side

DC to 18 GHz ≤ 1.15 (≥ 23.13 dB) ≤ 0.05 x √F (GHz) dB ≥ 5 GΩ

2.92mm and 3.5mm

 $\leq 3~\text{m}\Omega$  $\leq 2~\text{m}\Omega$  $\leq 4~\text{m}\Omega$  $\leq 2.5~\text{m}\Omega$ 500 V rms 150 V rms

≥ 100 dB up to 1 GHz

## Material And Plating

Piece Parts (SMA)	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 (2.4mm)	Material	Plating
Piece Parts (2.4mm) Centre contact	Material Beryllium Copper	Plating Gold plating, 3 µinch
	***************************************	S .
	***************************************	Gold plating, 3 µinch
Centre contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)

The facts and figures herein are carefully compiled to the best of our	I Kov.	Rosnol RF/Microwave Technology Co., Ltd.	Page
knowledge, but they are intended for general informational purposes only.		www.rosnol.com; info@rosnol.com	
In the effort to improve our products, we reserve the right to make changes	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1 /2
judged to be necessary.	6/23/2019	N-CAGE Code: SEKKO / ISO9001 Certified	1/2



## Technical Data Sheet

# SMA plug (male) / 2.4mm jack (female) Adapter DC-18GHz VSWR1.15

## AD-A1Q25A / 9XX-9X

#### Mechanical Data

SMA Side 2.4mm Side Screw-lock Coupling mechanisms Screw-lock Mating Cycles ≥ 500 ≥ 500 Coupling Nut Retention ≥ 270 N ≥ 270 N Center Contact Captivation ≥ 20 N ≥ 20 N 1.70 Nm max. Coupling Test Torque 1.65 Nm max. Recommended Torque 0.9 Nm 0.9 Nm

## Environmental Data

Temperature Range
-55 °C to +165 °C
Thermal shock
MIL-STD-202, Method 107, Condition B
Corrosion
MIL-STD-202, Method 101, Condition B
Vibration
MIL-STD-202, Method 204, Condition D
Shock
MIL-STD-202, Method 213, Condition I
Moisture Resistance
MIL-STD-202, Method 106
RoHS
compliant

### Packing

Standard Single Weight N/A

N-CAGE Code: SFKKO / ISO9001 Certified

Rev.:-

6/23/2019