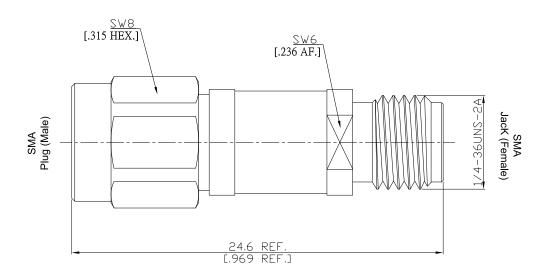


Technical Data Sheet

Inner DC Block SMA plug (male) / SMA jack (female) DC-18 GHz, $VSWR \le 1.3$

DB-A1A25A-18G50V / 9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

Electrical Data

Impedance Frequency VSWR (Return Loss) Insertion Loss Insulation resistance

Outer contact resistance Voltage Rating DC Block type RF Power Handling

Center contact resistance

IEC 60169-15; CECC 22110; MIL-PRF-39012; MIL-STD-348B/310; EN 122110

50 Ω

DC to 18 GHz ≤ 1.3 (≥ 17.69 dB)

≤ 0.65 dB

≥ 5 GΩ

 $\leq 3 \text{ m}\Omega$ ≤ 2 mΩ

50 V

Inner

2W

Material And Platina

maichai ma mainig		
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Stainless Steel	Passivated
Piece Parts (SMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	

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	Do
judged to be necessary.	ΑP

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DB-A1A25A-18G50V / 9XX-9X

Mechanical Data Coupling mechanisms Mating cycles Center contact captivation: axial Coupling test torque Recommended torque Environmental Data Temperature Range Thermal shock Corrosion Vibration

Shock

RoHS

Packing

Moisture resistance

Screw-lock

≥ 500

≥ 27 N

≥3 Ncm

≤ 1.7 Nm

0.8 Nm to 1.1 Nm

-65°C to +155°C

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

MIL-STD-202, Method 204, Condition D

MIL-STD-202, Method 213, Condition I

MIL-STD-202, Method 106

compliant

Single or 100

Rev.:-