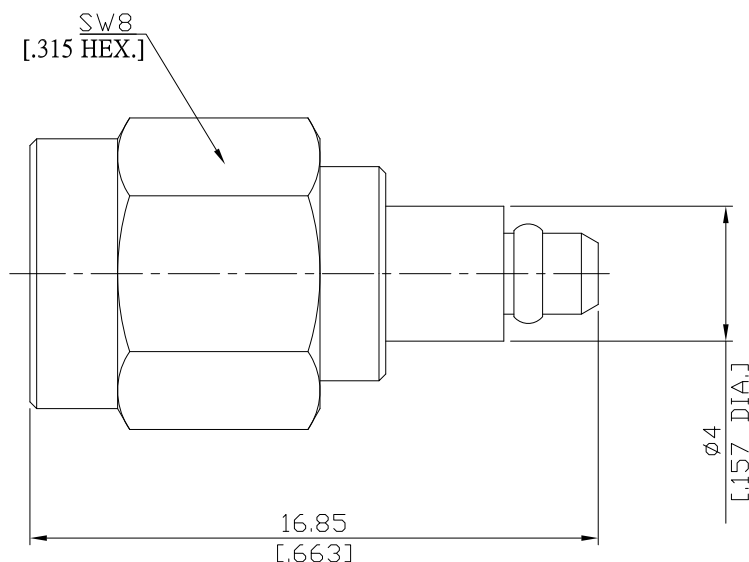


SMA plug (male) / MMCX Plug (male) Straight
adaptor DC- 6 GHz VSWR ≤ 1.20

AD-A1MX15A / 133-13



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

SMA according to

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

MMCX according to

IEC 60169-36

Electrical Data

Impedance

50 Ω

Frequency

DC to 6 GHz

VSWR (Return Loss)

≤ 1.20 (≥ 20.8 dB)

Insertion loss

≤ 0.05 × √F (GHz) dB

Insulation resistance

≥ 1 GΩ

Center contact resistance

≤ 3 mΩ, SMA side

≤ 5.0 mΩ, MMCX side;

Outer contact resistance

≤ 2 mΩ, SMA side

≤ 2.5 mΩ, MMCX side;

Test voltage

750 V rms

Working voltage

335 V rms

Contact Current

1.5A DC max.

Material And Plating

Piece Parts (SMA)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Piece Parts (MMCX)	Material	Plating
Centre contact	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Nickel
Insulator	PTFE	

SMA plug (male) / MMCX jack (female)
Straight adaptor DC- 6 GHz VSWR ≤ 1.20

AD-A1MX15A / 133-13

Mechanical Data

	SMA side	MMCX side
Coupling mechanisms	Screw-lock	Snap-lock
Mating cycles	≥ 500	≥ 500
Center contact captivation: axial	≥ 27 N	≥ 27 N
Engagement force	N/A	≤ 25 N
Disengagement force	N/A	8 N min. to 20 N max.
Coupling test torque	max. 1.7 Nm	N/A
Recommended torque	0.8 Nm to 1.1 Nm	N/A

Environmental Data

Temperature range	-55°C to +155°C
Thermal shock	CECC 22 220, Chapter 4.6.7
Vibration	CECC 22 220, Chapter 4.6.3
Corrosion	CECC 22 220, Chapter 4.6.10
Moisture resistance	CECC 22 220, Chapter 4.6.6
RoHS	compliant

Packing

Single or 100