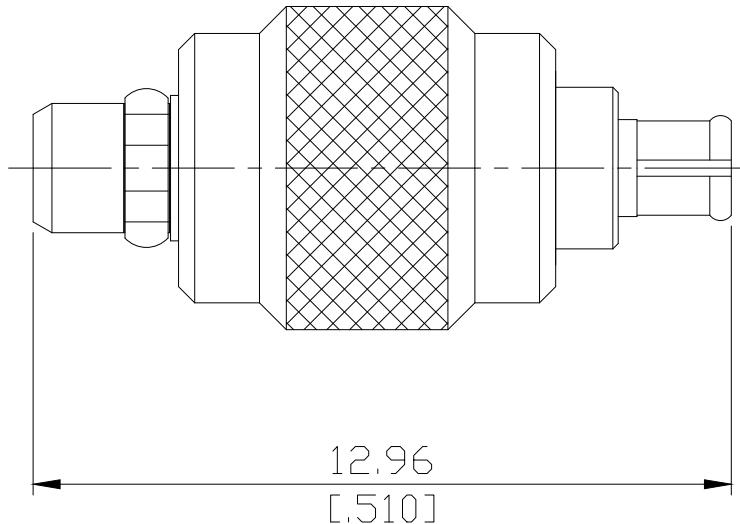




MMCX plug (male) / SSMCX plug (male)
Straight adaptor DC- 6 GHz VSWR ≤ 1.60

AD-MX1SX15A / H3-H3



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

MMCX according to	IEC 60169-36
SSMCX according to	N/A

Electrical Data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
VSWR (Return Loss)	≤ 1.60 (≥ 12.7 dB)	
Insertion loss	$\leq 0.1 \times \sqrt{f}$ (GHz) dB	
Insulation resistance	≥ 1 G Ω	
Center contact resistance	≤ 5 m Ω , MMCX side	≤ 6.0 m Ω , SSMCX side;
Outer contact resistance	≤ 2.5 m Ω , MMCX side	≤ 3 m Ω , SSMCX side;
Test voltage	500 V rms	
Working voltage	170 V rms	

Material And Plating

Piece Parts (MMCX)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Nickel
Insulator	PTFE	
Piece Parts (SSMCX)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μ inch (Non-magnetic nickel-phosphorus underplating, 80 μ inch)
Body	Brass	Nickel
Insulator	PTFE	



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Mechanical Data

	MMCX side	SSMCX side
Coupling mechanisms	Snap-lock	Snap-lock
Mating cycles	≥ 500	≥ 500
Center contact captivation: axial	$\geq 27 \text{ N}$	$\geq 27 \text{ N}$
Engagement force	$\leq 25 \text{ N}$	$\leq 3 \text{ lbs}; 4.06 \text{ N}$
Disengagement force	8N min to 20 N max.	$\leq 1 \text{ lbs}; 1.36 \text{ N}$

Environmental Data

Temperature range	-55°C to +155°C
RoHS	compliant

Packing

Single or 100