RP-SMA Male to SMA Female Coaxial Adapter

RPSMA-SMA42-01

MECHANICAL SPECIFICATIONS		
Coaxial interface 1	RP-SMA	
Gender 1	Male	
Standard 1	MIL-STD-348A (FCC Part 15)	
Coaxial interface 2	SMA	
Gender 2	Female	
Standard 2	MIL-STD-348A	
Geometry	Straight	
Durability	≥500 mating	
Weight	~5 g	
ELECTRICAL SPECIFICATIONS		
Impedance	50 Ω	
Frequency range	DC – 18 GHz	
VSWR	≤1.25	
Insertion loss	$0.05 \times \sqrt{f(GHz)}$	
Working voltage	335 V_{RMS}	
Dielectric withs. voltage	1000 V_{RMS}	
Insulation resistance	≥5000 MΩ	
MATERIAL SPECIFICATIONS		
COMPONENT	**MATERIAL**	**FINISHING**
Body, Nut	Brass	Gold
Center contact	BeCu	Gold
Insulator	PTFE	-
ENVIRONMENTAL SPECIFICATIONS		
Temperature range	-55 / +125 °C	
RoHS	Compliant (2011/65/EU | RoHS 3)	
REACH	Compliant (EC 1907/2006)	

KEY FEATURES

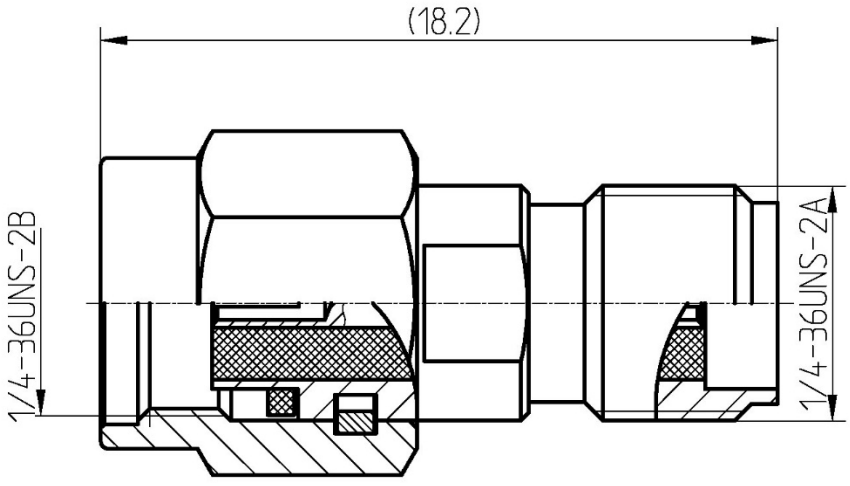
- DC to 18 GHz Operating Frequency Range
- Adapt RP-SMA to SMA Interfaces
- Robust and Reliable Industrial Design
- Consistent RF performance

RoHS compliant

REACH

DRAWING

Unit: mm



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