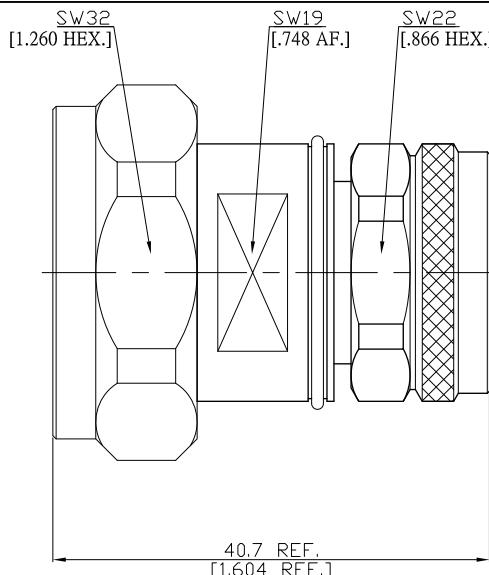


7-16 plug (male) / 4.3-10 plug (male)  
Low PIM Adapter DC-6GHz VSWR1.15 PIM-160dBc

## AD-D1431015A / 144-144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

7/16 according to  
4.3/10 according to

IEC 61169-4  
IEC 61169-54

### Electrical Data

Impedance	50 Ω	
Frequency	DC to 6 GHz	
VSWR (Return Loss)	≤ 1.15 ( $\geq$ 23.13 dB)	
Insertion Loss	≤ 0.1 $\times$ $\sqrt{F}$ (GHz) dB	
PIM level	≤ -160 dBc	
Insulation resistance	≤ 5 GΩ	
Center contact resistance	≤ 0.4 mΩ, 7-16 side	≤ 1.0 mΩ, 4.3-10 side
Outer contact resistance	≤ 1.5 mΩ, 7-16 side	≤ 1.0 mΩ, 4.3-10 side
Test voltage	2500 V rms	
Working voltage	500 V rms	
RF-leakage	≥ 110 dB @ DC to 6 GHz	
Power handling (at 90 °C, altitude 3000m)	500 W @ 2.0 GHz	

### Material And Plating

Piece Parts (7-16)	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy
Piece Parts (4.3-10)	Material	Plating
Centre contact	Brass	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Coupling nut	Brass	Copper-Tin-Zinc Alloy

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 judged to be necessary.

Rev.:-

Date:  
12/7/2020

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## Mechanical Data

## Environmental Data

Temperature range	-55 °C to +90 °C operating temperature
Thermal shock	IEC 60169-1, Sub-clause 16.4
Corrosion resistance	ISO 21207 method B
Vibration	IEC 61169-1 9.3.3 and IEC 60068-2-64
Shock	IEC 61169-1 9.3.14
Degree of protection (mated pair)	IEC 60529, IP68 1h / 25m
RoHS	compliant

## ROHS

Single or 100