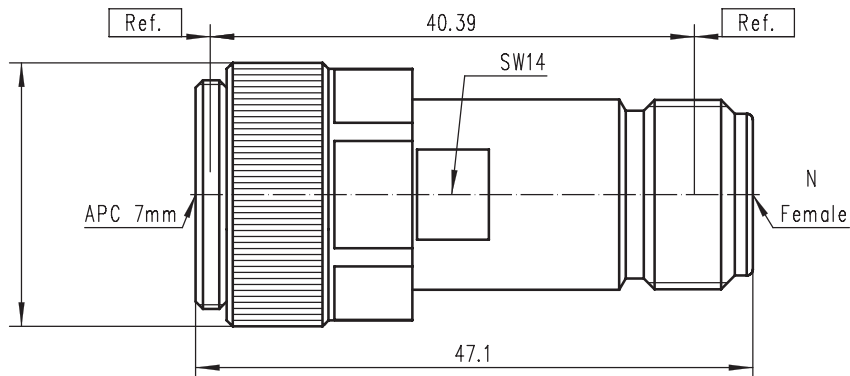


# ADAPTOR APC 7mm – N Female

## APC7-Nf



Code: 100121

### Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 26 dB, DC to 18 GHz
Insertion loss	≤ 0.08 × √f(GHz) dB
Insulation resistance	≥ 5G Ω
Center contact resistance	≤ 1.0 mΩ , APC 7mm side    ≤ 3.0 mΩ , 3.5mm side
Outer contact resistance	≤ 0.1 mΩ , APC 7mm side    ≤ 2.0 mΩ , 3.5mm side
Test voltage	1000 V rms
Working voltage	335 V rms
RF leakage	≥ 100 dB up to 1 GHz

### Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque APC 7mm	1.95 Nm
Recommended torque APC 7mm	1.36 Nm
Coupling test torque 3.5mm	1.70 Nm
Recommended torque 3.5mm	0.80 Nm to 1.10 Nm

### Material and plating

#### Connector parts

Center contact  
Outer contact  
Coupling nut  
Dielectric

#### Material

Beryllium copper  
Stainless steel  
Stainless steel  
PEI

#### Plating

Gold, over chemical nickel  
Passivated  
Passivated

### Environmental data

Temperature range	-60°C to+165°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
2002/95/EC (RoHS)	compliant

Shanghai Tuyue electronics Co. Ltd.

Tel.: +86 21 64753655    Fax: +86 21 61257270  
Email: info@tuyue.com.cn    Website:www.tuyue.com.cn