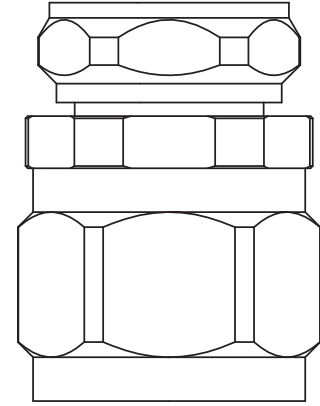


This model was previously released
as AAC-78SWA-DM-F

AC-78SWA-DM-F

7/16-DIN Male Connector for 7/8" Smooth Wall Aluminum Cable



| General Characteristics | | |
|-------------------------------|--|----------|
| Interface | 7/16-DIN Male | |
| Body Style | Straight | |
| Cable Size | 7/8" | |
| Cable Type | Smooth Wall Aluminum | |
| Electrical Characteristics | | |
| Operating Frequency Range | DC-3.8 GHz | |
| Impedance | 50Ω | |
| Insertion Loss | ≤ 0.05 dB | |
| PIM | ≤ -160 dBc | |
| Contact Resistance | Inner Conductor | < 0.8 mΩ |
| | Outer Conductor | < 0.2 mΩ |
| Insulation Resistance | ≥ 10,000 mΩ | |
| VSWR | ≤ 1.10 | |
| Proof Voltage | 4000 V | |
| Environmental Characteristics | | |
| Operating Temperature | -55° C to +155° C (-67° F to +311° F) | |
| Reference Standard | IEC60169-4 | |
| Weather Standard | IEC 60068 55 / 155 / 56 | |
| Mechanical Shock Test Method | US MIL-STD-202, Method 213, Test Condition I | |
| Thermal Shock Test Method | US MIL-STD-202, Method 107, Test Condition B | |
| Vibration Test Method | US MIL-STD-202, Method 204, Test Condition B | |
| Waterproofing Standard | IP68 | |
| RoHS | Compliant | |
| Mechanical Characteristics | | |
| Nut Torque | 25 N·m | |
| Whorl Pull (Nut) | 1000 N | |
| Tensile Force (cable-connect) | 500 N | |
| Torsion (cable-connect) | 5 N·m | |
| Material Characteristics | | |
| Inner Conductor | Spring Copper, Ag5μm plating | |
| Outer Conductor | Brass, Copper-tin-zinc 2μm plating | |
| Nut | Brass, Ni5μm plating | |
| Gasket | Silicone Rubber | |
| Insulator | PTFE | |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.