**FCT RF Coaxial Contacts**

FCT RF Coaxial Contacts are precision machined and offer a range of options, including both 50- or 75-Ohm versions, enabling them to meet the specific needs of a variety of applications and making them ideal for FCT Mixed-Layout D-Sub Connectors.

### Features and Advantages

**Available in 50 or 75 Ohms**
Meet specific needs for a range of applications. Delivers design flexibility.

**Machined contacts**
Offers contact variety and plating options. Provides high mating cycles and increased strength.

- **A range of RF coaxial contact options available**
  Offers the exact RF contact needed for the application along with suitable cables for many RG types.

### Markets and Applications

**Commercial Aviation**
- Unmanned vehicles
- Commercial aircraft cabins

**Consumer**
- Drones

**Industrial Automation**
- Motion control
- Robotics
- Power/signal distribution
- Control panels

**Medical**
- Non-ferrous environments

**Commercial Vehicle**
- IP67 breakout cables/overmolding
- Power/signal distribution

**Telecommunications**
- Receivers
- Satellite dishes
- MRI Equipment
- High-Speed Train
- Satellite Dishes
## Specifications

### ELECTRICAL
- Characteristic Impedance: 50/75 Ohms
- Insulation Resistance: ≥10 G Ohms
- Contact Resistance Inner: ≤2.7 milliohms
- Contact Resistance Outer: ≤2.7 milliohms
- Dielectric Withstanding Voltage: 750V/50Hz
- Working Voltage: 250 Vrms
- Current Rating: 2.0A

### MECHANICAL
- Mating Force per Signal Contact: ≤7N
- Unmating Force per Signal Contact: ≤7N
- Durability (min.):
  - Standard — 500 Mating Cycles
  - Low-Cost — 200 Mating Cycles

### PHYSICAL
- Outer Conductor: Copper Alloy
- Inner Conductor: Copper Alloy
- Plating Material: Gold over Nickel
- Insulator Material: PTFE/PBT/PI
- Operating Temperature: -55 to +135°C

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