

INTRODUCTION:

Adam Tech's RFC series RF connectors are a comprehensive assortment of Radio Frequency signal connectors in standard, miniature, sub-miniature, micro miniature and surface mount style. Included are our BNC, TNC, FME, FMA, SMA, SMB, N, F, PAL, UHF, Mini-UHF, MCX, MMCX and 1.6/5.6 coupling versions. Each has standard interfaces and are of a strong lightweight design. Most are ideal for applications where size and weight are important in densely populated applications. All afford excellent RF characteristics

FEATURES:

- DC to 50 GHz versions
- Plating Options
- Insulator options
- Impedance options
- Mating options
- PCB, Bulkhead and Cable versions

MATING CONNECTORS:

Adam Tech RF series connectors and all industry Standard RF connectors

SPECIFICATIONS:

Material:

- Housing: Brass, Nickel plated
Zinc diecast, Nickel plated
- Standard Insulators: Delrin, Polypropylene or Teflon
- Optional Hi-Temp Insulator: Teflon
- Contacts: Beryllium copper, Gold plated

Electrical:

- Operating voltage: 150V AC max.
- Contact resistance: 5 mΩ max. initial
- Impedance: 50 or 75 ohms
- Insulation resistance: 5000 MΩ min.
- Dielectric withstanding voltage: 1000V AC for 1 minute
- VSWR: 1.2 max
- Frequency range: 0 – 6 GHZ

Mechanical:

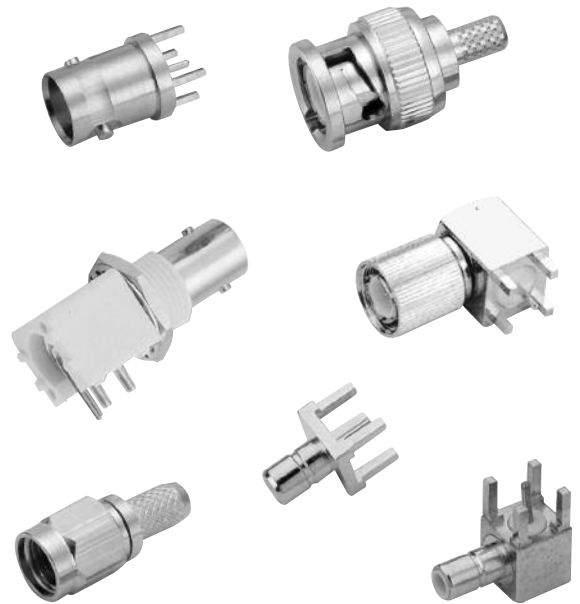
- Engagement force: 4.5 lbs max
- Disengagement force: 2 lbs min
- Cable retention: equal to breaking strength of cable employed
- Durability: 500 cycles

Temperature Rating:

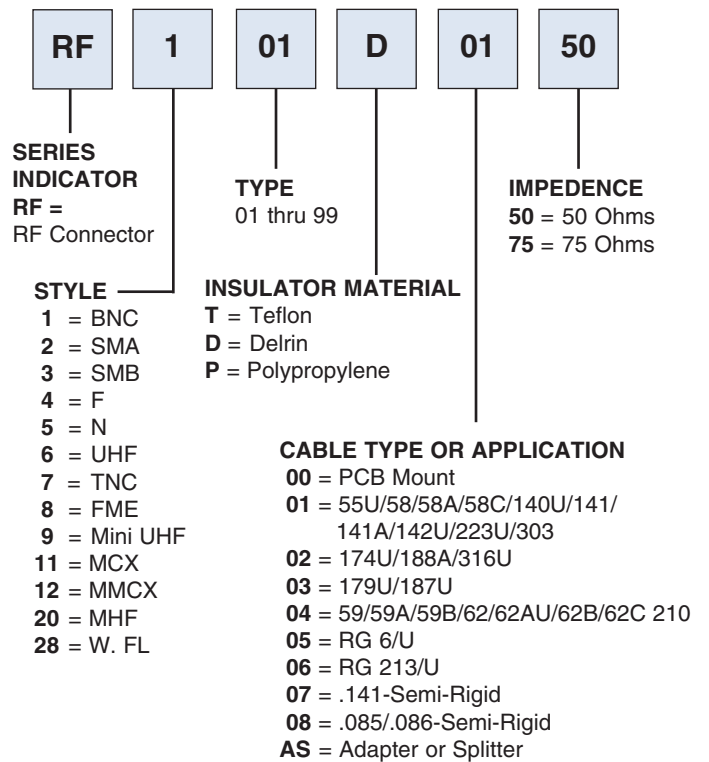
- Operating temperature: -65°C to +165°C
- Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays or bags



ORDERING INFORMATION



OPTIONS:

- Add as suffix to basic part no.
- HT = Hi-Temp insulator for hi-temp soldering processes up to 260°C
- G = Gold plated body and contact

