

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 styles. Included are our BNC, TNC, FME, FMA, SMA, SMB, N, F, PAL, UHF, Mini-UHF, MCX, MMCX, MHF, W.FL & 1.6/5.6 coupling versions. Each has a standard industry interface. Most are ideal for applications where size and weight are important in densely populated applications. All afford excellent RF characteristics

FEATURES:

Bodies available with gold or nickel plating
 Insulators available in Teflon, Delrin, and Polypropylene
 Standard availability of 50 or 75 ohms impedance
 Through hole and SMT types for printed circuit board versions
 Male and female types available in bulkhead and cable mount 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 M 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: -20°C to +85°C
 Soldering process temperature:
 Standard insulator: 235°C
 Hi-Temp insulator: 260°C

PACKAGING:

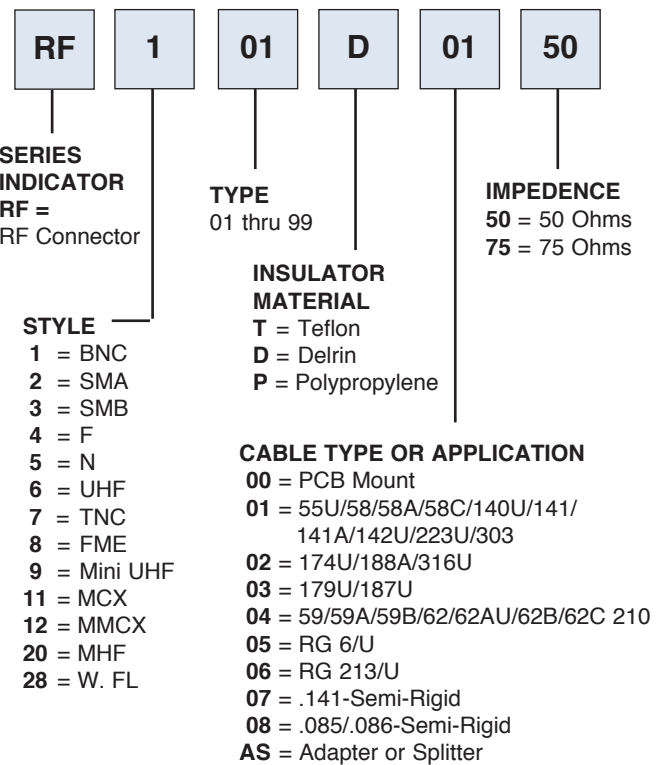
Anti-ESD plastic trays or bags

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,
 File no. E224053



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