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

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE



ORDERING INFORMATION

RF	1	01	D	01	50

SERIES INDICATOR
RF = RF Connector

STYLE
1 = BNC
2 = SMA
3 = SMB
4 = F
5 = N
6 = UHF
7 = TNC
8 = FME
9 = Mini UHF
11 = MCX
12 = MMCX
20 = MHF
28 = W. FL

TYPE
01 thru 99

INSULATOR MATERIAL
T = Teflon
D = Delrin
P = Polypropylene

CABLE TYPE OR APPLICATION
00 = PCB Mount
01 = 55U/58/58A/58C/140U/141/141A/142U/223U/303
02 = 174U/188A/316U
03 = 179U/187U
04 = 59/59A/59B/62/62AU/62B/62C 210
05 = RG 6/U
06 = RG 213/U
07 = .141-Semi-Rigid
08 = .085/.086-Semi-Rigid
AS = Adapter or Splitter

IMPEDENCE
50 = 50 Ohms
75 = 75 Ohms

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