

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

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	IMPEDENCE 50 = 50 Ohms 75 = 75 Ohms	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

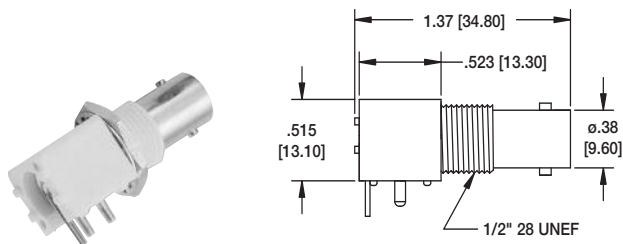
OPTIONS:

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



RF1 TYPE 01

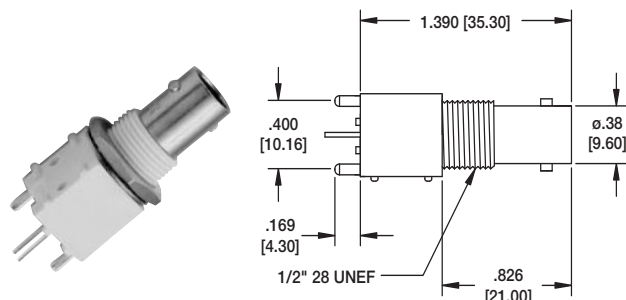
BNC RIGHT ANGLE FEMALE PCB MOUNT



RF1-01-P-00-50

RF1 TYPE 01V

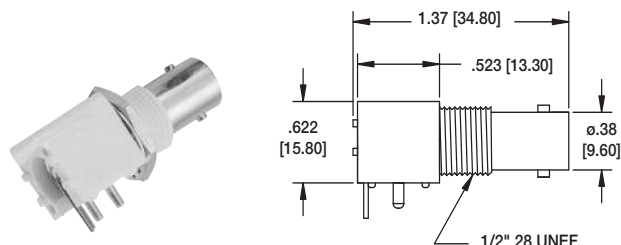
BNC STRAIGHT FEMALE PCB MOUNT



RF1-01V-P-00-75

RF1 TYPE 01A

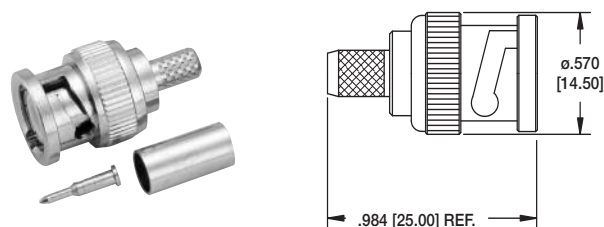
BNC HIGH PROFILE RIGHT ANGLE FEMALE PCB MOUNT



RF1-01A-P-00-50

RF1 TYPE 03

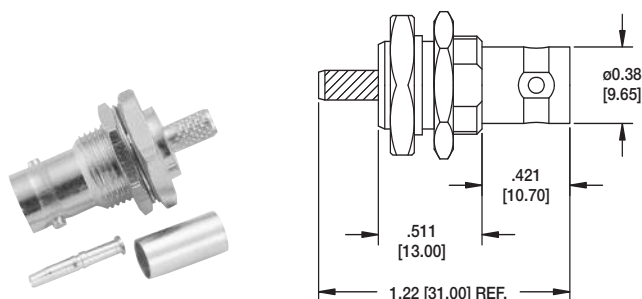
BNC MALE CRIMP



RF1-03-D-05-75

RF1 TYPE 04

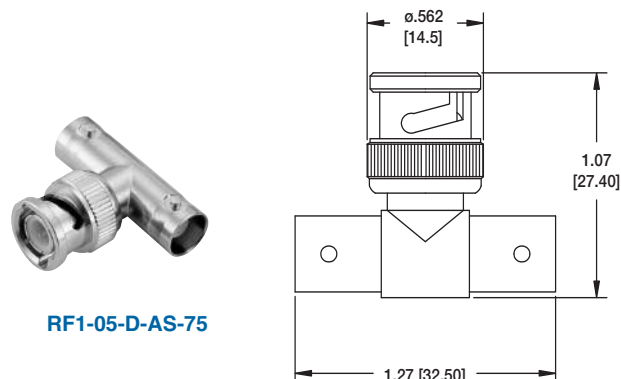
BNC FEMALE BULKHEAD CRIMP



RF1-04-T-01-75

RF1 TYPE 05

BNC MALE TO BNC DOUBLE FEMALE

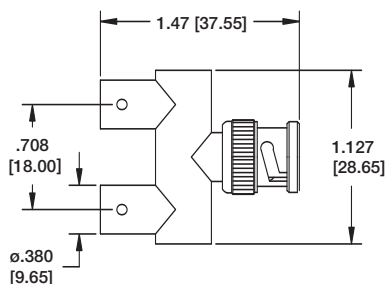


RF1-05-D-AS-75

RF1 TYPE 06 BNC MALE "Y" ADAPTER



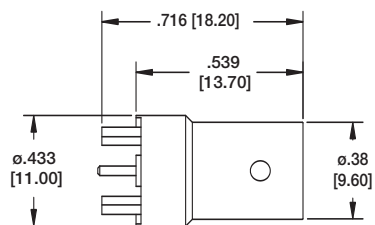
RF1-06-D-AS-50



RF1 TYPE 07 BNC FEMALE PC BOARD MOUNT



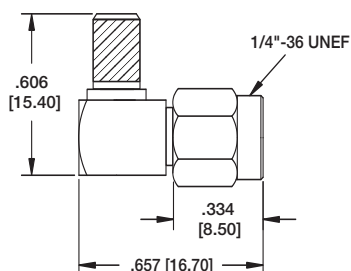
RF1-07-T-00-75



RF2 TYPE 01 SMA RIGHT ANGLE MALE CRIMP TYPE



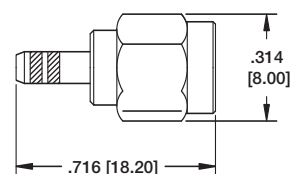
RF2-01-T-02-50



RF2 TYPE 02 SMA MALE CRIMP TYPE



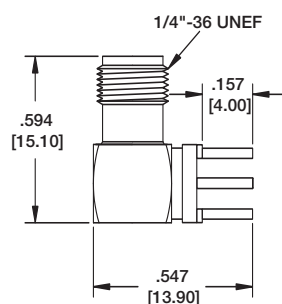
RF2-02-T-02-50-G



RF2 TYPE 03 SMA RIGHT ANGLE FEMALE PC BOARD MOUNT



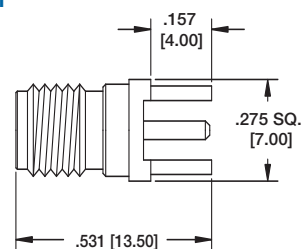
RF2-03-T-00-50-G



RF2 TYPE 04 SMA FEMALE PC BOARD MOUNT



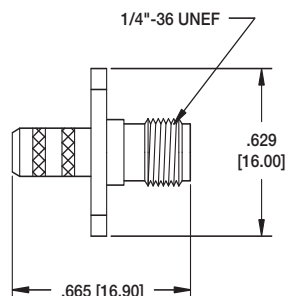
RF2-04-T-00-50-G



RF2 TYPE 05 SMA FEMALE CHASSIS CRIMP



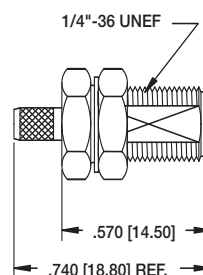
RF2-05-T-00-50-G



RF2 TYPE 06 SMA FEMALE BULKHEAD CRIMP



RF2-06-T-02-50

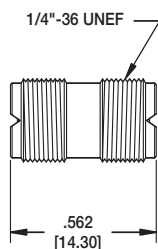


RF2 TYPE 07

SMA DOUBLE FEMALE ADAPTOR



RF2-07-T-AS-50

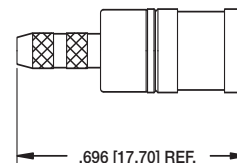


RF3 TYPE 01

SMB MALE CRIMP



RF3-01-T-01-50-G

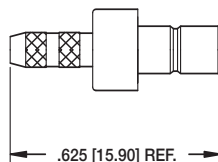


RF3 TYPE 02

SMB FEMALE CRIMP



RF3-02-T-01-50-G

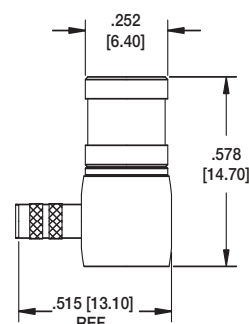


RF3 TYPE 03

SMB MALE RIGHT ANGLE CRIMP



RF3-03-T-03-75-G

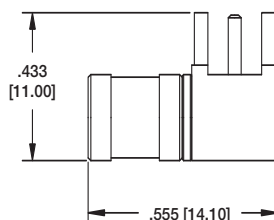


RF3 TYPE 04

SMB RIGHT ANGLE MALE PCB MOUNT



RF3-04-T-00-50-G

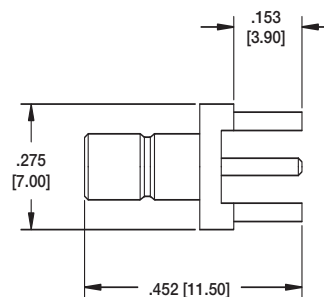


RF3 TYPE 05

SMB FEMALE PCB MOUNT



RF3-05-T-00-50-G

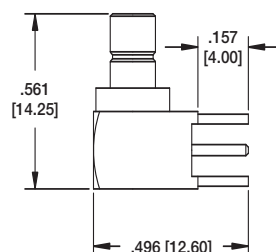


RF3 TYPE 06

SMB RIGHT ANGLE FEMALE PCB MOUNT



RF3-06-T-00-50-G

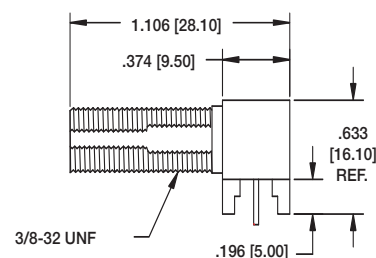


RF4 TYPE 01

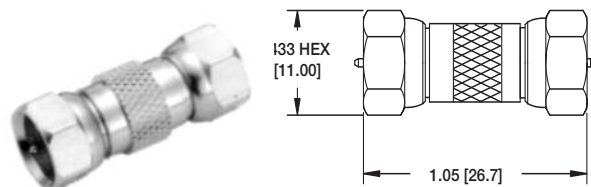
F FEMALE RIGHT ANGLE PCB MOUNT



RF4-01-T-00-75

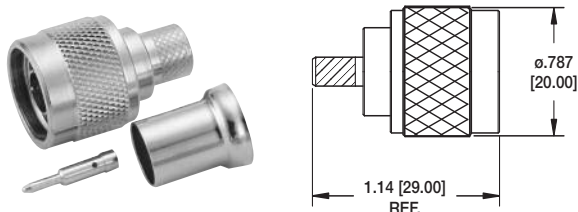


RF4 TYPE 02
F MALE TO MALE



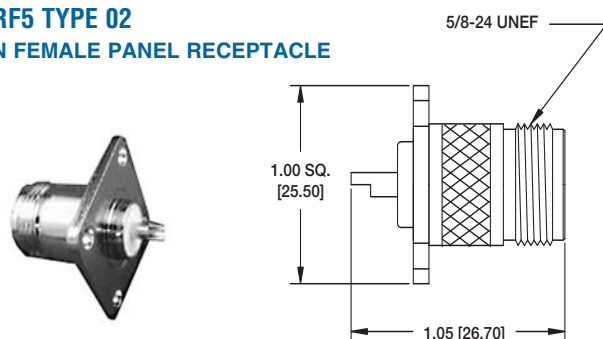
RF4-02-T-AS-75

RF5 TYPE 01
N MALE CRIMP TYPE



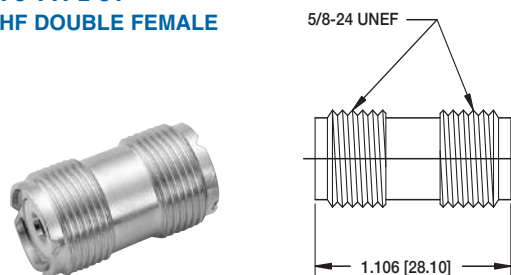
RF5-01-D-01-50

RF5 TYPE 02
N FEMALE PANEL RECEPTACLE



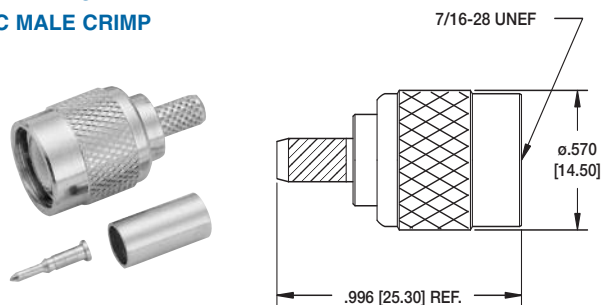
RF5-02-D-01-50

RF6 TYPE 01
UHF DOUBLE FEMALE



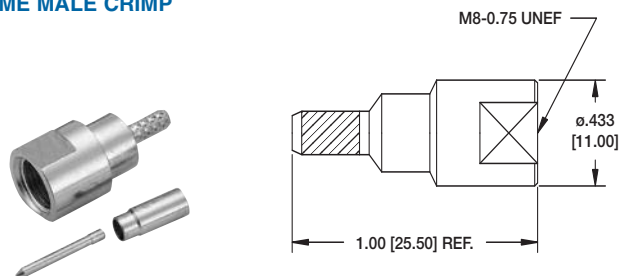
RF6-01-D-AS-50

RF7 TYPE 01
TNC MALE CRIMP



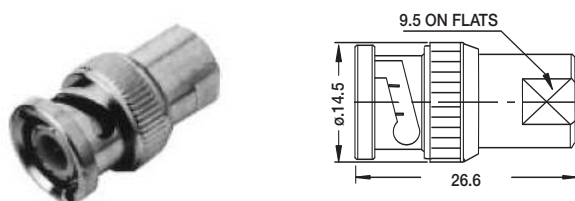
RF7-01-D-02-50

RF8 TYPE 01
FME MALE CRIMP



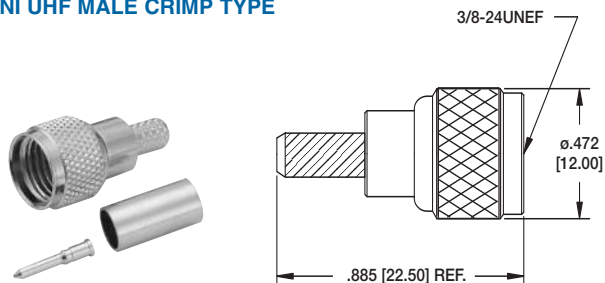
RF8-01-T-01-50-G

RF8 TYPE 02
FME MALE TO BNC MALE



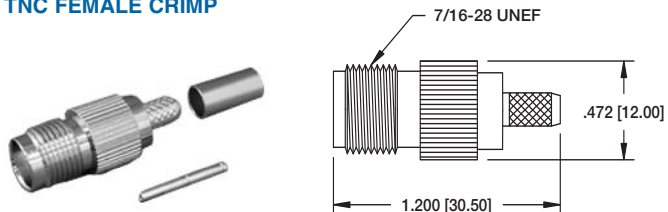
RF8-02-T-AS-50

RF9 TYPE 01
MINI UHF MALE CRIMP TYPE



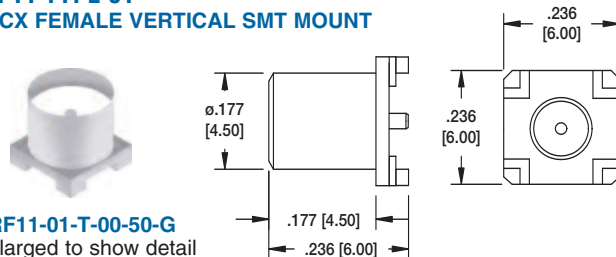
RF7-01-D-02-50

RF7 TYPE 08 TNC FEMALE CRIMP



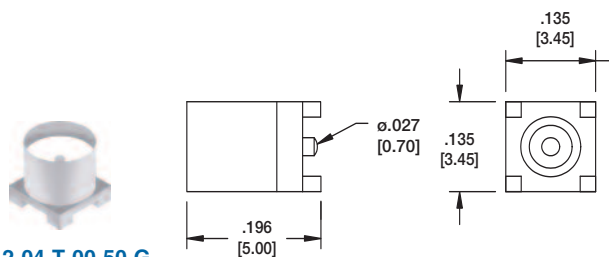
RF7-08-T-02-50-G

RF11 TYPE 01 MCX FEMALE VERTICAL SMT MOUNT



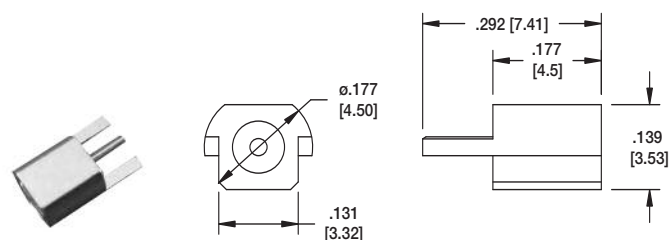
RF11-01-T-00-50-G
Enlarged to show detail

RF12 TYPE 04 MMCX MALE VERTICAL PCB MOUNT



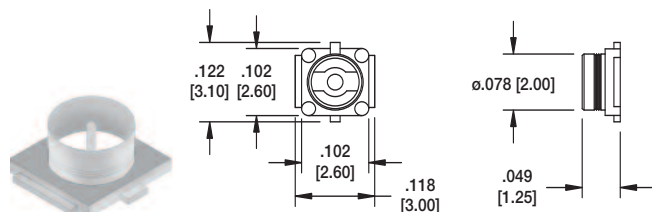
RF12-04-T-00-50-G
Enlarged to show detail

RF12 TYPE 05 MMCX PCB MOUNT



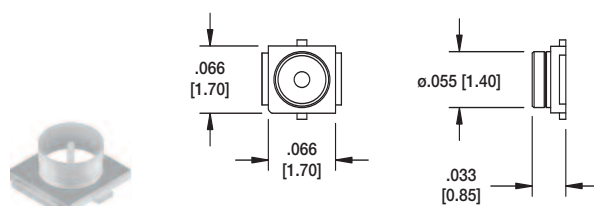
RF12-05-T-00-50-G

RF20 TYPE 01 MHF SURFACE MOUNT



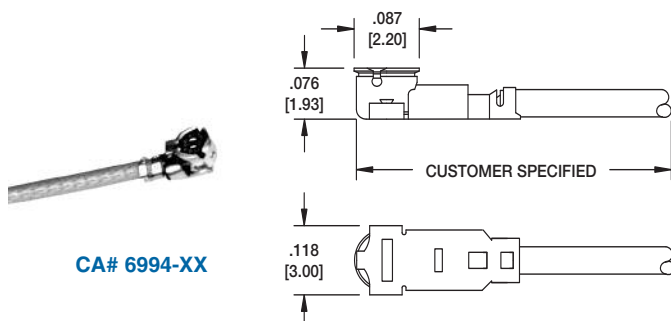
RF20-01-P-00-50-G
Enlarged to show detail

RF28 TYPE 01 W.FL SURFACE MOUNT



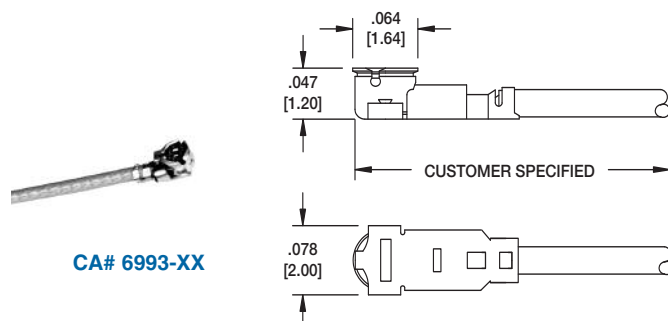
RF28-01-T-00-50-G
Enlarged to show detail

RF20 TYPE 01 CABLE ASSEMBLY MATES WITH MHF SMT CONNECTOR



CA# 6994-XX

RF28 TYPE 01 CABLE ASSEMBLY MATES W.FL SMT CONNECTOR



CA# 6993-XX