



UHF Series

UHF

UHF series is a low cost and low frequency connector, which is supplied with a threaded coupling interface. Because of the non-constant impedance, the maximum usable frequency of UHF connector is limited to 300MHz. Meanwhile, the plug version of UHF connector is generally referred to as the PL-259 connector due to its military part number designation. The UHF is suitable for the flexible cables up to 11.0mm (0.433" in diameter).

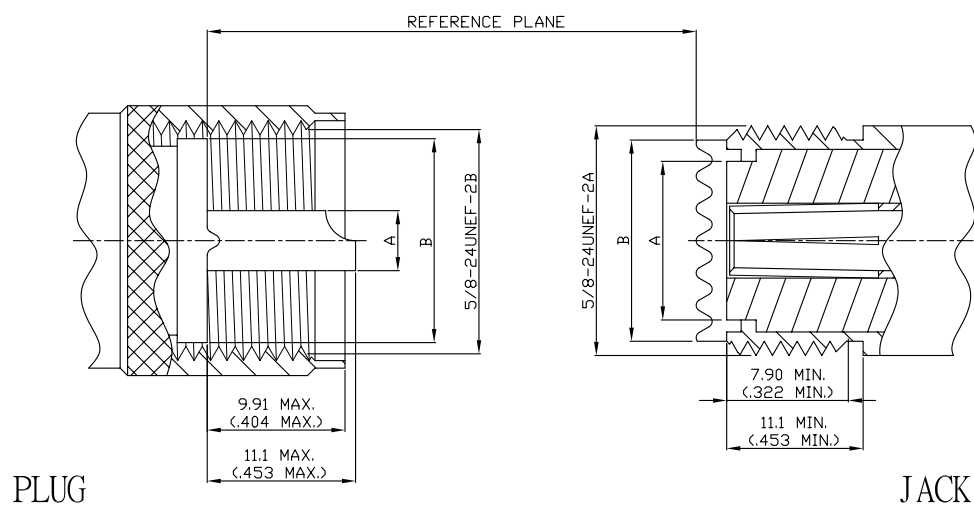
Applications:

*CB radios *public address systems *antennas

Interface dimensions conformable to the Standards:

International: IEC 169-12

UHF Interface Dimensions:



UHF Series					
PLUG			JACK		
	Minimum	Maximum		Minimum	Maximum
A	3.91(.0154)	4.01(.158)		11.56(.064)	12.22(.450)
B	11.56(.471)	12.22(.450)		14.00(.571)	14.25(.581)

*Millimeters(Inches)



Materials :

Connector part	Material	Finish
Bodies	Brass	Nickel or Gold
Center Contact	Male: Brass Female: Brass, Phosphor Bronze, or Beryllium Copper	Gold
Insulator	Delrin or Teflon	N/A
Crimp ferrule	Annealed Copper	Nickel or Gold

Electrical :

Electrical Data	Detail
Impedance	Non-constant
Frequency range	0-300MHz
Working voltage	500 volts rms max.
Insulation resistance	5,000 megohms min.
Dielectric withstanding voltage	1,500 volts rms min.
Contact resistance	Center contact: 3 Milliohms Outer contact: 2 Milliohms
VSWR: f(GHz)	Not defined

Mechanical :

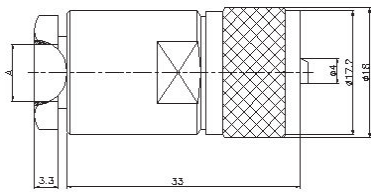
Mechanical Data	Detail
Engagement force	2 inch-pound max.
Disengagement force	2 inch-pound max.
Connector durability	500 cycles min.
Cable retention force	RG58, 141, 142, 223/U → 40 lbs min. RG174, 188, 316/U → 20 lbs min.

Environmental :

Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION A
Mechanical shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature range	-65°C to 165°C (Teflon)

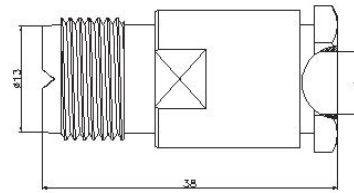
UHF STRAIGHT CLAMP FOR CABLETYPE

PLUG



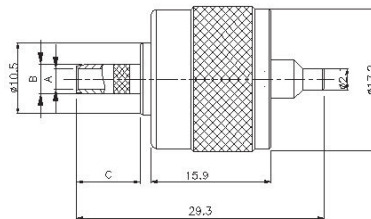
PART NUMBER:
UHF-01G-TGN(75Ohm) RG-59/U
UHF-01F-TGN RG-58/U
UHF-01B-TGN RG-213/U

JACK

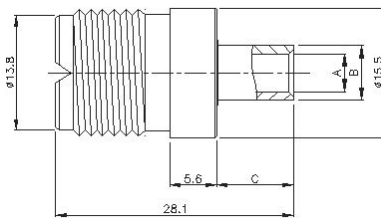


PART NUMBER:
UHF-02G-TGN(75Ohm) RG-59/U
UHF-02F-TGN RG-58/U
UHF-02B-TGN RG-213/U

UHF STRAIGHT PLUG CRIMP FOR CABLETYPE



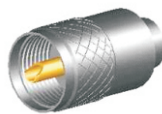
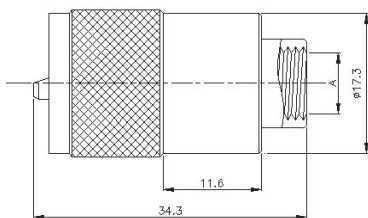
PART NUMBER:
UHF-04G-TGN(75Ohm) RG-59/U
UHF-04F-TGN RG-58/U
UHF-04B-TGN RG-213/U



PART NUMBER:
UHF-03F-TGN RG-58/U

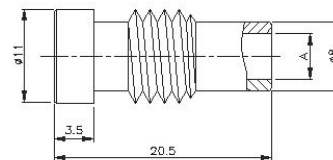
UHF STRAIGHT PLUG TWIST ON

PL-259 SERIES



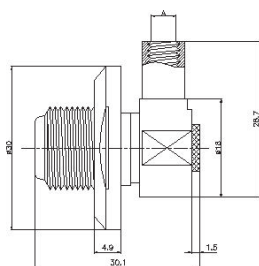
PART NUMBER:
UHF-07G-TGN(75Ohm) RG-59/U
UHF-07F-TGN RG-58/U
UHF-07B-TGN RG-213/U

REDUCERPL-259



PART NUMBER:
UHF-08G-TGN(75Ohm) RG-59/U
UHF-08F-TGN RG-58/U

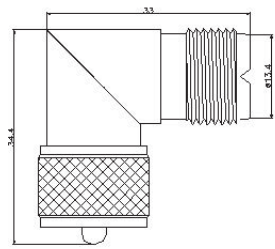
UHF ANGLE JACK BULKHEAD FOR CABLETYPE



PART NUMBER:
UHF-06F-DTN RG-58/U
UHF-06G-DTN(75Ohm) RG-59/U

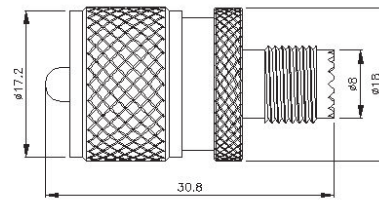


ANGLE UHF PLUG - JACK ADAPTOR



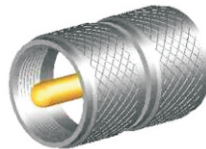
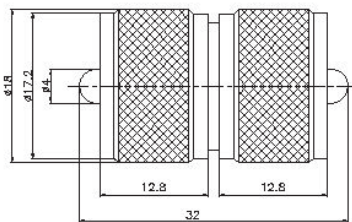
PART NUMBER:
UHF-17-DGN

UHF PLUG - MINI UHF JACK ADAPTOR



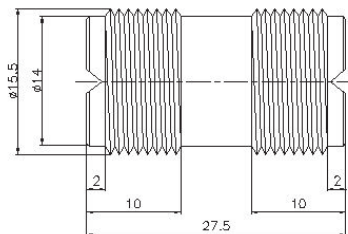
PART NUMBER:
UHF-19-DGN

UHF PLUG - PLUG ADAPTOR



PART NUMBER:
UHF-11-DGN

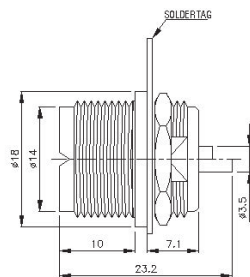
UHF JACK - JACK ADAPTOR



PART NUMBER:
UHF-12-DGN

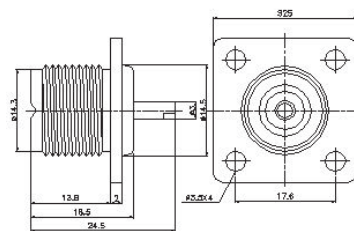
UHF JACK BULKHEAD RECEPTACLE

REAR MOUNT



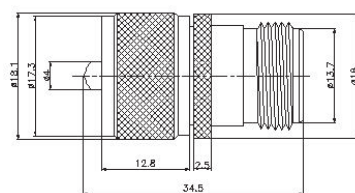
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UHF-09-DGN

FLANGE MOUNT



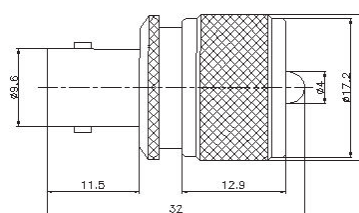
PART NUMBER:
UHF-10-DGN

UHF PLUG - N JACK ADAPTOR



PART NUMBER:
UHF-13-DGN

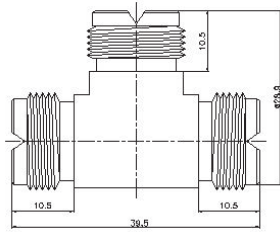
UHF PLUG - BNC JACK ADAPTOR



PART NUMBER:
UHF-14-DGN

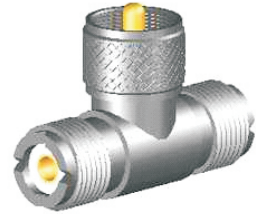
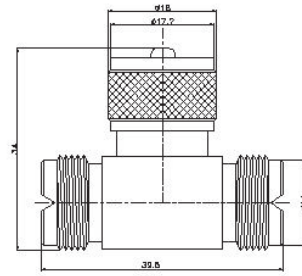
UHF

UHF JACK -JACK -JACK ADAPTOR



PART NUMBER:
UHF-15-DGN

UHF JACK -PLUG -JACK ADAPTOR



PART NUMBER:
UHF-16-DGN