UHF Series

Description

UHF coaxial connectors are general purpose units developed for use in low frequency systems applications up to 300 MHz.

Applications

- CB Radios
- Antennas
- Public Address Systems

Features

With the use of optional reducing adapters, UHF connectors are designed to accommodate a wide range of popular coaxial cables. The solder termination types require no special assembly tools. Crimp termination Types, which provide a lower cost installation method, are also available.

Specification UHF 50 ohm 300 MHz

UHF coaxial connectors were one of the first RF connector series to be developed. They are a generalpurpose, non-constant impedance connector which operate from DC to 300 MHz.
The 5/8"-24 thread coupling and clamp, crimp, twist-on and solder termination provide the UHF with the flexibility that have kept it one of the most popular coaxial connectors over the years.
Among the many application of this low cost, low frequency device are antenna connections for CB radios, public address system, audio, video, mobile radio and test equipment.

Electrical :	
Frequency Range	0 to 300 MHz
VSWR	* RG-58,141,142,223→1.5 max * RG-8A,9B,213,214→1.3 max
Voltage Rating	500 volts rms max
Dielectric Withstanding Voltage	1,500 volts rms max
Contact Resistance	center contact=1.0 milliohms max outer contact=0.5 milliohms max
RF Leakage	-90 dB min
Insertion Loss	1dB max
Insulation Resistance	5,000 Megohms min

Mechanical & Environmental	
Mating	5/8"-24 threaded coupling
Durability	500 matings
Coupling Nut Retention	100 lbs min
Cable Retention	RG-58,141,142,223→40 lbs min RG-59,62A,210→40 lbs min RG-174,188,316→20 lbs min RG-8A, 9B, 213, 214→80 lbs min
Temperature Range	-55˚C to 85˚C
Vibration	MIL-STD-202 Method 204 test Cond.A.
Temperature Cycling	MIL-STD-202 Method 101 test Cond.B.

Material

	Material	Plating
Connector Body	Brass	Nickel or Silver
Center Contact	Male: Brass Female : Brass, Phosphor Bronze or Beryllium-Copper	Nickel, Silver or Gold Nickel, Silver or Gold
Insulation	Teflon, Delrin or Bakelite	None
Gasket	Silicone Rubber, Rubber	None
Crimp Ferrule	Annealed Copper or Brass	Same as Body