UHF

coaxial connectors

general information

description

Non-constant impedance UHF connectors will operate satisfactorily at frequencies up to 200 mc and with caution up to 500 mc. They have a peak voltage rating of 500 volts. Connectors have threaded coupling mating.

While most UHF connectors have conventional solder-type cable affixment, Quick-Crimp▲ UHF feature Amphenol's patented hex crimp design which permits faster, easier and more reliable assembly. Quick-Crimp connector contacts are dip-soldered after cable assembly.

The Amphenol 83-850 and 83-851 plugs eliminate one or both of the two common soldering operations in assembly. The 83-850 has completely solderless braid and contact assembly — the outer contact is screwed on the cable center conductor after assembly. In the 83-851 the braid assembly only is solderless.

Except as noted, UHF connectors listed have small size bodies; large sizes are noted, and will not mate with the small connectors.

▲U. S. Patent 3,054,981

characteristics

electrical

impedance	non-constant
frequency range	0-200 mc (0-500 mc with caution)
voltage	500 volts peak

environmental

thermal limits	mica-filled Bakelite: —67°F to 300°F Rexolite and Polystyrene: —67°F to 185°F Teflon: —67°F to 390°F
weatherproof	except as noted, all Series UHF are non-weatherproof

mechanical

mating	5/8-24 threaded coupling (small) 1-20 threaded coupling (large)
cable affixment	braid solder, except as noted (Quick-Crimp; solderless)

material

contacts	male: brass female: beryllium copper
bodies	die-cast zinc or brass
other metal parts	brass
plating	.0002" silver min
insulators	as noted, Teflon, Rexolite, Polystyrene or mica-filled Bakelite

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