



UNIVERSAL COOPERATE LTD.

Model UCL-CIT-41
Coaxial Impedance Tuners
100 Watts DC-3GHz



UCL-CIT-41 coaxial impedance tuners are impedance matching instruments consisting of independently variable branch lines or stubs connected to a main line. A common application is in amplifier development to test operation under varying degrees of mismatch or load pull.

Beryllium copper contacts assure long life and noise free operation. Mechanical end stops at each end of the travel prevent accidental disassembly, and locking caps allow adjustment of sliding tension and provide final adjustment locking.

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: 500-3000MHz

INSERTION LOSS: 0.5dB (at the point of min VSWR)

POWER: 100W (Average); 5 KW (Peak)

TEMPERATURE RANGE: -55 $^{\circ}$ C ~ +85 $^{\circ}$ C

CONNECTOR TYPE: N(M,F)

WEIGHT: 3.66Kg

PHYSICAL DIMENSIONS: 162x90x436mm

* Dimensions are given in mm and tolerance $\pm 2\%$.

** VSWR varies according to frequency.