



UNIVERSAL COOPERATE LTD.

Model UCL-WHT100

Coaxial Fixed Termination

100 Watts DC-18GHz



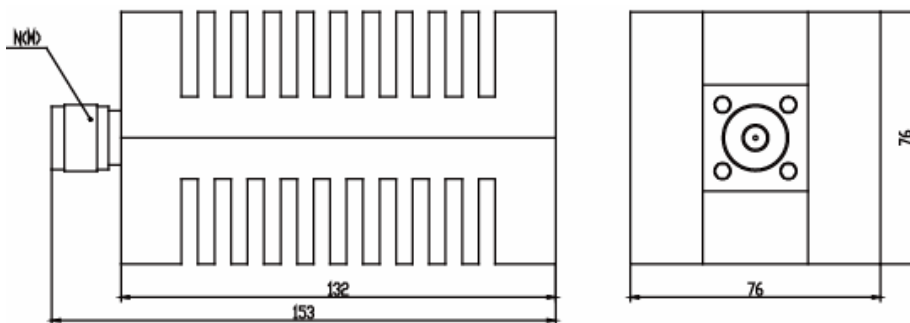
Coaxial fixed terminations absorb RF& microwave energy and are commonly used as dummy loads of antenna and transmitter. They are also used as match ports in many multiport microwave device such as circulator and directional coupler to make these ports which are not involved in the measurement be terminated in their characteristic impedance in order to ensure an accurate measurement.

UCL-WHT100 serial wide-band high power coaxial fixed termination's average power from 50W-500W, frequency range from DC-18GHz and the features include wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout etc.

- NOMINAL IMPEDANCE:** 50Ω
- AVERAGE POWER:** 100W average to 25°C ambient temperature, derated linearly to 10W @ 125°C.
- PEAK POWER:** 5KW (5μs pulse width with 2% duty cycle)
- 3rd ORDER INTERMODULATION(Optional):**
Reflected Levels(IM3) <-100dBc with two input signals @935MHz and 960MHz with average carrier power levels of +43dBm each.
- TEMPERATURE RANGE:** -55°C~ +125°C
- CONNECTOR TYPE:** N
- WEIGHT:** 1.45Kg
- PHYSICAL DIMENSIONS:** 153× 76 × 76mm

Model Number	Frequency Range(GHz)	Max VSWR
UCL-WHT100-4	DC-4	1.15
UCL-WHT100-8	DC-8	1.25
UCL-WHT100-10	DC-10	1.35
UCL-WHT100-18	DC-18	1.55

Outline Drawings



* Dimensions are given in mm and tolerance ±2%.
 ** VSWR varies according to frequency.
 *** VSWR and dimensions refer to connector type N.