



UNIVERSAL COOPERATE LTD.

Model UCL-HT100GH(F)

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-HT100GH(F) serial high power coaxial fixed termination's average power 2W-10KW, frequency range dc-18GHz and feature wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout.

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

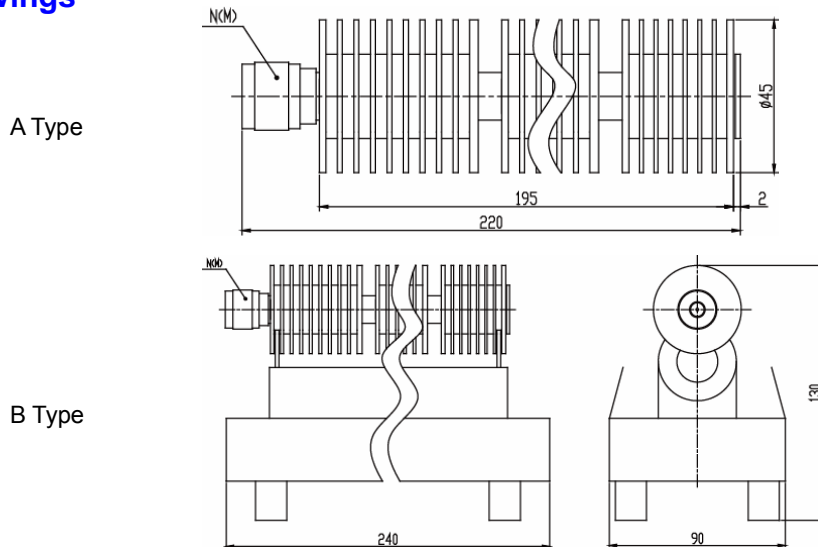
WEIGHT: A:380g;B:1400g

PHYSICAL DIMENSIONS:

A: Φ45×220mm;B: 240×90×130mm

| Model Number | Frequency Range (GHz) | Max VSWR |
|---------------------|-----------------------|----------|
| UCL-HT100GH(F)-4 | DC-4 | 1.20 |
| UCL-HT100GH(F)-8 | DC-8 | 1.30 |
| UCL-HT100GH(F)-12.4 | DC-12.4 | 1.35 |
| UCL-HT100GH(F)-18 | DC-18 | 1.45 |

Outline Drawings



* Dimensions are given in mm and tolerance ±2%.

** VSWR varies according to frequency.

*** VSWR and dimensions refer to connector type N.

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