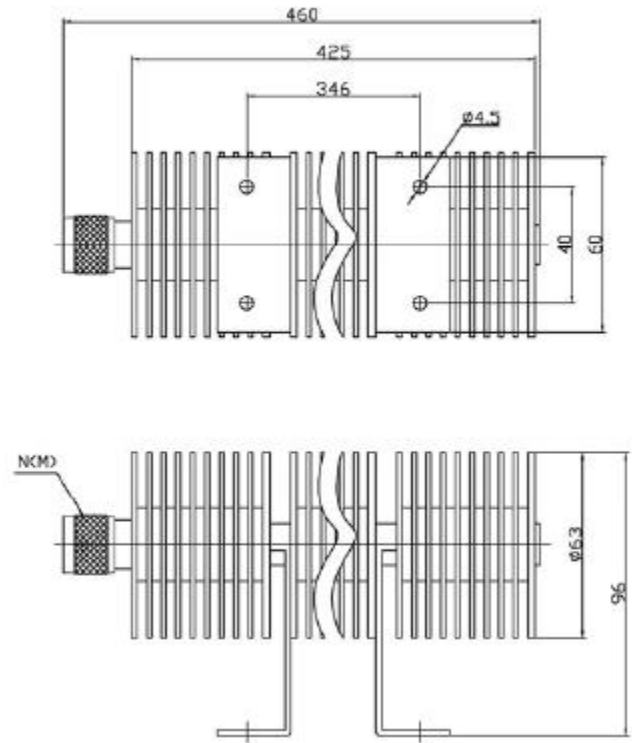


**Model UCL-HT300G 300 Watts DC-18GHz**



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-HT serial coaxial fixed termination's average power 2W-10KW, frequency range DC-40GHz and feature wide frequency band, low VSWR, excellent capacity in anti-pulse and anti-burnout.

MECHANICAL SPECIFICATIONS	
Connectors	Brass Nickel Plated
Male Pin	Brass Gold Plated
Female Pin	Beryllium Copper Gold Plated
Housing	Aluminum, Black Anodize
Temp Range	-55° C ~ +125° C
Dimensions	460x63x96mm
Weight	1.4Kg

**RoHS Compliant: Yes**

## ELECTRICAL SPECIFICATIONS

Model Number	Frequency Range (GHz)	Max VSWR
UCL-HT300G-12.4	DC-12.4	1.20
UCL-HT300G-18	DC-18	1.50

**NOMINAL IMPEDANCE:** 50Ω

**AVERAGE POWER:** 300W average to 25°C ambient temperature, derated linearly to 30W @ 125°C.

**PEAK POWER:** 10KW (5μs pulse width with 3% 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.

**CONNECTOR TYPE:** N

### Notes:

★When working time over 5 minutes or surface temperature over 70 °C, one 55W air-cooled fan will be necessary.

1. Dimensions Tolerance ±2%