

Model UCL-DDC-1-40
Dual Directional Coupler
100 Watts 0.005-1GHz



Dual directional couplers are one kind of RF four-port device and general standard device in microwave measurement, as well as crucial device of reflectometer and RF network analyzer, they are used to supervise and control transmitter's output power and output spectrum, test reflected power from transmitter to antenna, monitor the matched condition of antenna feeder system. They are also taken as a power meter together with detector or level indicator.

UCL-DDC-1-40 dual directional couplers' input power 100W, frequency from 0.005-1GHz. the features include: compact small size, light, low loss of mainline transmission, excellent flatness in frequency response of coupling value, high power capacity, stable performance and high reliability etc.

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 100W

TEMPERATURE RANGE:

Operating: -10°C~+50°C;

Non-operating: -40°C~+70°C

CONNECTOR TYPE:

Input and output ports: N(F);

Other ports: SMA(F)

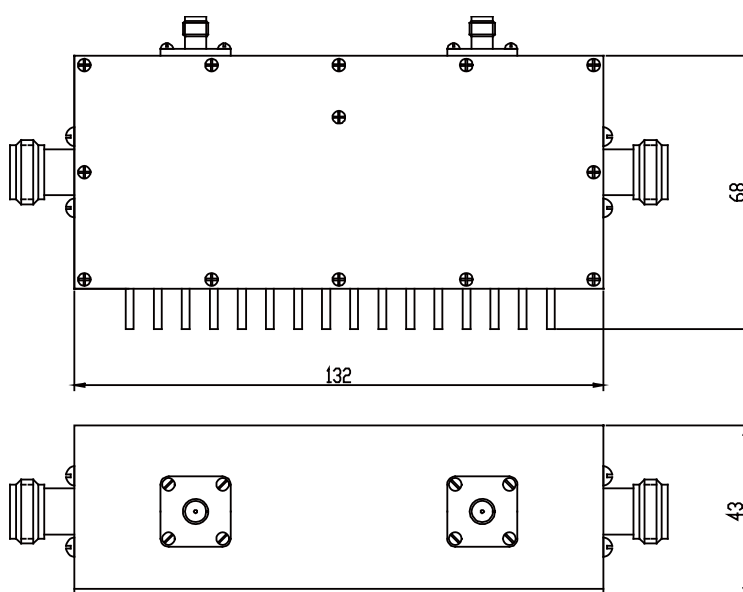
WEIGHT: 620g

PHYSICAL DIMENSIONS:

132×68×43mm (not include connector)

| Model Number | Frequency Range(GHz) | Coupling Value (dB) | Directivity (dB) | VSWR | Insertion Loss (dB) |
|--------------|----------------------|---------------------|------------------|-------|---------------------|
| UCL-DDC-1-40 | 0.005-1 | 40±1.2 | ≥18 | ≤1.25 | ≤1 |

Outline Drawings



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