

Model UCL-DC-300-18

Single Directional Coupler

300 Watts 8-18GHz



Directional couplers are used to supervise and control transmitter's output power and output spectrum, they are also taken as a power meter together with detector or level indicator.

UCL-DC-300-18 single directional couplers' input power 300W, frequency 8-18GHz. 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: 300W

TEMPERATURE RANGE:

Operating: -10°C~+50°C;

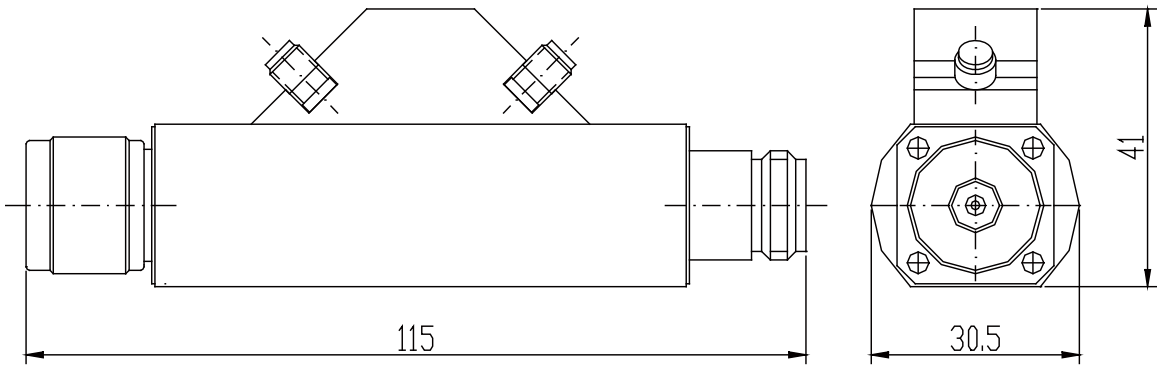
Non-operating: -40°C~+70°C

WEIGHT: 220g

PHYSICAL DIMENSIONS: 115×30.5×41mm

Model Number	Frequency Range(GHz)	Coupling Value(dB)	Directivity(dB)	VSWR	Insertion Loss(dB)	Connector Type
UCL-DC-300-18	8-18	30±1	≥10(8-16GHz)	≤1.7	≤0.9(at 18GHz)	N(M,F);SMA(F)
			≥6(16-18GHz)			

Outline Drawings



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

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