



UNIVERSAL COOPERATE LTD.

Model UCL-VA2-1-XX-X-A1

Rotary Step Attenuator

2 Watts DC-6GHz



Rotary Step attenuators can be used to adjust the power signal level by step within certain frequency range without power off, they can also be used to adjust the test system's power level as inset attenuators, it is small with high accuracy and high stability etc.

UCL-VA serial A1 type rotary step attenuators' average power 2W, frequency range from DC-6GHz, attenuation value 0-90dB by 0.1dB/ 1dB/ 10dB step.

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 2W

PEAK POWER: 100W (5μs pulse width with 2% duty cycle)

TEMPERATURE RANGE: -20°C~+85°C

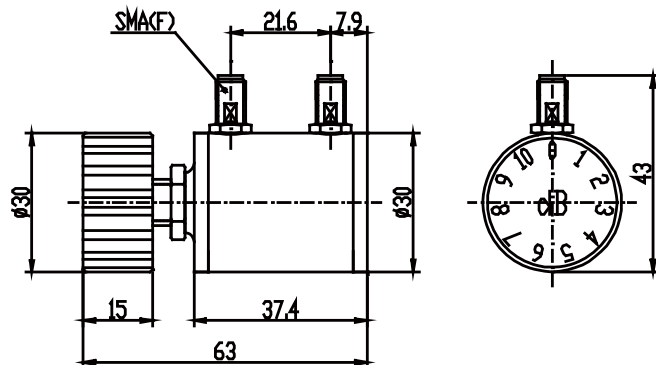
CONNECTOR TYPE: SMA(F,F)

WEIGHT: 250g

PHYSICAL DIMENSIONS: φ30×63mm

Model Number	Frequency Range(GHz)	Attenuation Step Size	Max VSWR	Insertion Loss(dB)	Attenuation Accuracy(dB)
UCL-VA2-1-1-1-A1	DC-1	0-1dB in 0.1dB steps	1.2	≤0.3	±0.1
UCL-VA2-1-1-2.5-A1	DC-2.5		1.25(1.4,0dB)	≤0.4	
UCL-VA2-1-1-3-A1	DC-3		1.4(1.5,0dB)	≤0.5	±0.2
UCL-VA2-1-1-6-A1	DC-6		1.6	≤0.85	±0.2
UCL-VA2-1-10-1-A1	DC-1	0-10dB in 1dB steps	1.2	≤0.3	±0.3
UCL-VA2-1-10-2.5-A1	DC-2.5		1.25(1.4,0dB)	≤0.4	±0.4
UCL-VA2-1-10-3-A1	DC-3		1.4(1.5,0dB)	≤0.5	±0.5
UCL-VA2-1-10-6-A1	DC-6		1.6	≤0.85	±0.5
UCL-VA2-1-60-1-A1	DC-1	0-60dB in 10dB steps	1.2	≤0.3	±0.3
UCL-VA2-1-60-2.5-A1	DC-2.5		1.2(1.3,0dB)	≤0.4	±0.5(<50dB)
UCL-VA2-1-60-3-A1	DC-3		1.2(1.4,0dB)	≤0.5	±0.8(≥50dB)
UCL-VA2-1-60-6-A1	DC-6		1.6	≤0.85	±0.8(≥50dB)
UCL-VA2-1-90-1-A1	DC-1	0-90dB in 10dB steps	1.2	≤0.3	±0.3(≤60dB)
UCL-VA2-1-90-2.5-A1	DC-2.5		1.25(1.3,0dB)	≤0.4	±3%(>60dB)
UCL-VA2-1-90-3-A1	DC-3		1.25(1.4,0dB)	≤0.5	±0.5(≤60dB) ±4%(>60dB)

Outline Drawings



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

** VSWR varies according to frequency.