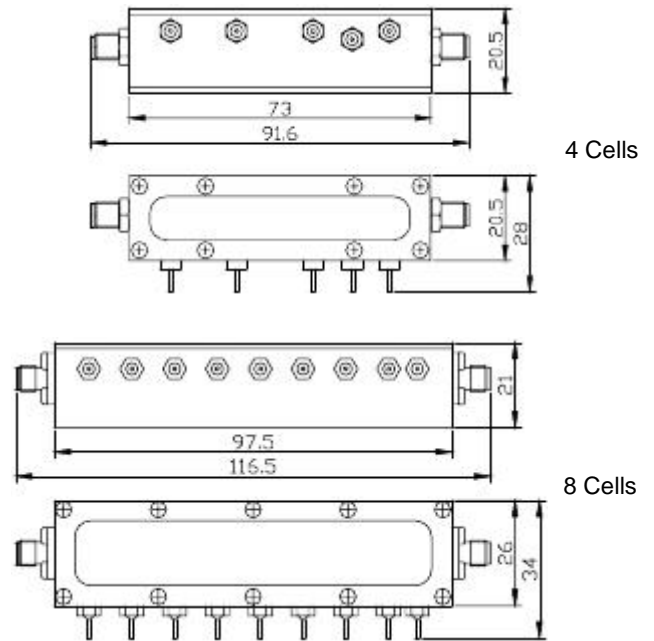


Model UCL-PA-G DC-3GHz 1 Watts



Programmable attenuators are generally used to control power level of microwave signals by volts control or computer programmable auto control manner. They are small with high accuracy and high stability etc.

UCL-PA-G serial programmable attenuators' average power 1W, frequency range from DC-5GHz, attenuation value 0-91dB by 1/10dB step. MCU-drive circuit could be designed to control programmable attenuator according to Customer's demand.



MECHANICAL SPECIFICATIONS

Connectors	Female Pin	Housing	Temp Range	Dimensions	Weight
Brass Nickel Plated	Beryllium Copper Gold Plated	Aluminum, Nickel	-20°C~+71°C	4 Cells: 91.6x28x20.5mm 8 Cells: 116.5x34x20.5mm	4 Cells: 80g 8 Cells: 135g

RoHS Compliant: Yes

ELECTRICAL SPECIFICATIONS

Model Number	Cells	Frequency Range (GHz)	Attenuation Range (dB)	Attenuation Step (dB)	Max VSWR	Insertion Loss(dB)	Attenuation Accuracy(dB)	
							≤10	16/20
UCL-PA1-4-15-1-G	4	DC-1	0-15dB in 1dB steps	1,2,4,8	1.30	≤2.5	±0.3	/
UCL-PA1-4-15-3-G		DC-3			1.45	≤3.0	±0.5	/
UCL-PA1-4-15-5-G		DC-5			1.50	≤4.0	±0.6	/
UCL-PA1-4-70-1-G	4	DC-1	0-70dB in 10dB steps	10,20,20,20	1.30	≤2.5	±0.3	±0.4
UCL-PA1-4-70-3-G		DC-3			1.45	≤3.0	±0.5	±0.5
UCL-PA1-4-70-5-G		DC-5			1.50	≤4.0	±0.6	±0.6
UCL-PA1-8-91-1-G	8	DC-1	0-91dB in 1dB steps	1,2,4,8,16,20,20,20	1.30	≤2.5	±0.3	±0.4
UCL-PA1-8-91-3-G		DC-3			1.45	≤4.5	±0.5	±0.5
UCL-PA1-8-91-4-G		DC-4			1.55	≤5.5	±0.6	±0.6

NOMINAL IMPEDANCE: 50Ω

AVERAGE POWER: 1W

SWITCH TIME: 6ms

OPERATING VOLTAGE: +12V

OPERATING CURRENT: 30mA/Cell

CONNECTOR TYPE: SMA (F, F)

Notes:

1. Dimensions Tolerance ±2%
2. Custom designs available for other special attenuation value & accuracy