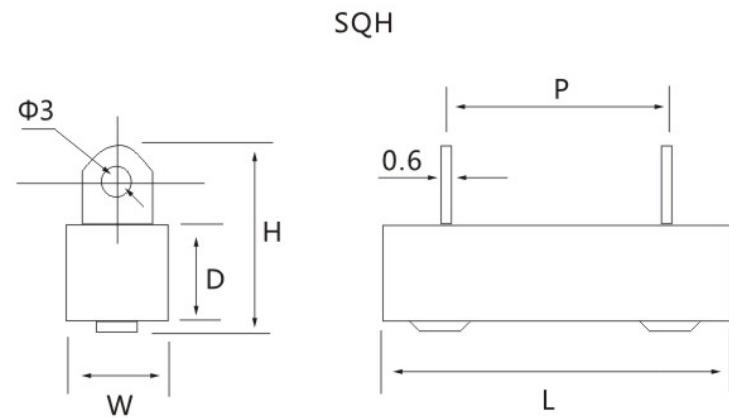


### Radial Termmal Type – SQH Seies

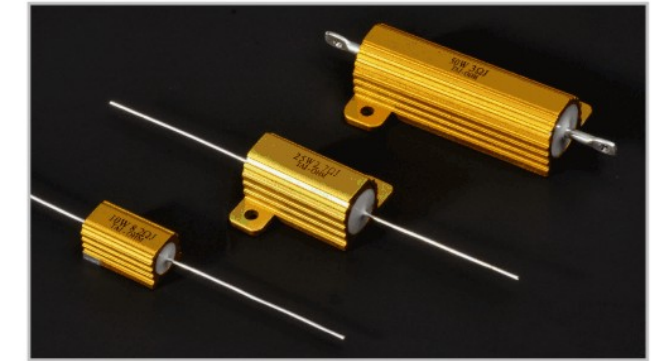


### EXPLANATION ON SPECIFICATIONS

Style	Power rating at 70°C	Dimension(mm)					Resistance Range Wire wound	
		W ± 1	D ± 1	L ± 1.5	P ± 1	H ± 1		
SQH10W	10W	10	9	48	32	18	1Ω~820Ω	821Ω~100KΩ
SQH15W	15W	12.5	11.5	48	32	21	1Ω~1KΩ	
SQH20W	20W	12.5	13.5	63	45	21	2Ω~1.2KΩ	
SQH30W	30W	19	19	75	56	32	3Ω~1.5KΩ	
SQH40W	40W	19	19	90	70	32	6Ω~1.5KΩ	

### Features:

- High Power, Small size
- High stability, Strong construction



### EXPLANATION ON PART NUMBERS

AL	25W	1R0	J
<b>Product Code</b>	<b>Power Rating</b>	<b>Nominal Value of Resistance</b>	<b>Resistance Tolerance</b>
AL: Aluminum House Wire-wound Resistors	5W: 5 Watt 10W: 10 Watt 25W: 25 Watt 50W: 50 Watt	0R1: 0.1Ω 1R0: 1Ω	J: 5%

### EXPLANATION ON SPECIFICATIONS

Type	Rated wattage	Max. operational Voltage		Resistance range(Ω)		Dielectric withstanding voltage	Operating temperature range	Resistance tolerance	Temperature coefficient of resistance.	
		Inductive	Non-inductive	Inductive	Non-inductive				Resistance	T.C.R.(ppm/°C)
AL5W	5W	120V	70V	0.05~3K	0.1~1K	500V	-55°C~275°C	Class k±10%, Class J±5%, Class G±2%	1Ω or Below 1.1Ω~9.9Ω 10Ω~Above	±100 ±100 ±100
AL10W	10W	245V	180V	0.02~6K	0.03~2.3K					
AL25W	25W	500V	300V	0.012~15K	0.02~5.5K					
AL50W	50W	1300V	600V	0.01~40K	0.02~12K					

### Materials:

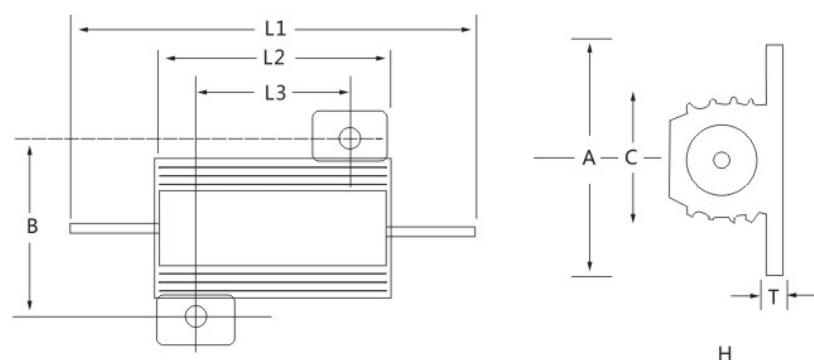
Encapsulant: Silicone  
 End caps: Stainless steel  
 Core: Ceramic steatite or alumina  
 Housing: Aluminum with hard anodic coating  
 Element: Copper-nickel alloy, nickel-chrome alloy or manganese copper  
 Standard Terminals: 5W~50W tinned terminals, 100W~250W threaded terminals

## CUMN Mini-Ohm Resistors CUNI

### Characteristics:

Items	Spec.Level
Resistance value	Within the tolerance
short time overload	Tolerable change within $\pm(2\%+0.05\Omega)$ . No visual damage & marking legible.
Humidity load life	No remarkable abnormalities on Appearance. Marking shall be legible Variation of resistance $(5\%+0.1\Omega)$
Dielectric withstanding voltage	Flash over, burning or insulation damages should not be observed.
Load life	No remarkable abnormalities on Appearance. Marking shall be legible Variation of resistance $(5\%+0.1\Omega)$
Terminal strength	Pull 5W-1KG, 10W-2.3KG, 25W & 50W-4.5KG
	Bend 100W-25KG/CM 250W-35KG/CM
Vibration	Tolerable change within $\pm(1\%+0.05\Omega)$ No mechanical damage be observed.
Resistance to soldering heat	Tolerable change within $\pm(1\%+0.05\Omega)$ No mechanical damage & no notable damage be observed in appearance.
Solder ability	4/5 area of circular surface be wet with new solder.

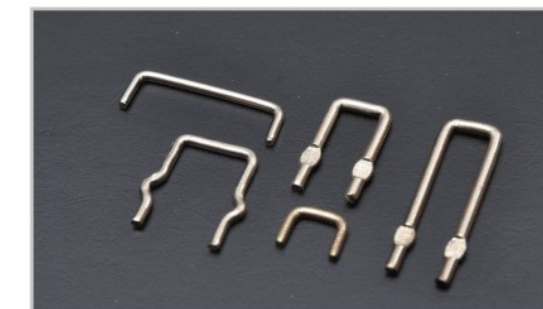
### Dimensions:



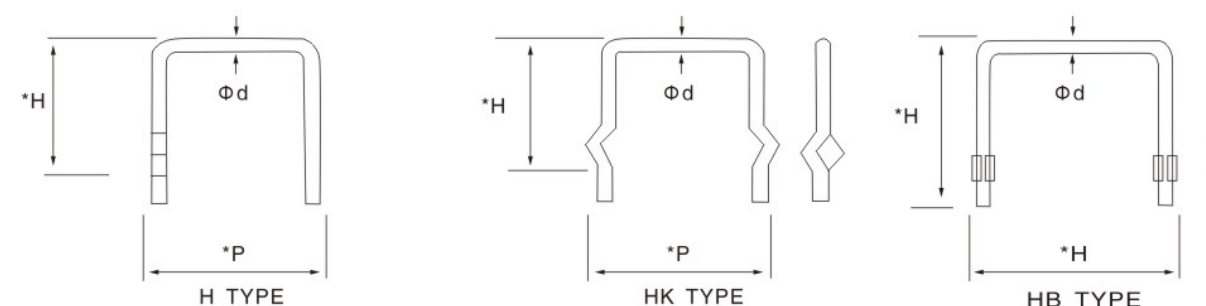
STYLE	Dimension							
	L1min	L2 $\pm 1$	L3 $\pm 1$	A $\pm 1$	B $\pm 1$	C $\pm 1$	H $\pm 1$	T $\pm 0.5$
AL5W***J	25	15.5	11.5	16.5	12.5	8.5	8.5	1.6
AL10W***J	30	19	14.5	20.5	16.0	11.0	10.0	2.0
AL25W***J	45	27	18.5	27.5	20.0	14.0	14.0	2.0
AL50W***J	65	50	40.0	29.5	21.5	16.0	16.0	2.0

### Features:

- Any type is available for practical need.
- P&H dimensions are determined by what the resistance and soldering are.



### FORMING TYPE



### EXPLANATION ON PART NUMBERS

CUMN CUNI	08	R005	H	J	03 A
Product Code	Diameter	Nominal Resistance	Forming Type	Resistance Tolerance	Dimension (TAI's Code)
Mini Ohm Resistors	04- $\Phi$ 0.4 08- $\Phi$ 0.8 10- $\Phi$ 1.0 20- $\Phi$ 2.0	R005=0.05 $\Omega$	H Type HK Type HB Type	F( $\pm 1\%$ ) J( $\pm 5\%$ ) K( $\pm 10\%$ )	03=5(mm) A=3.5(mm) B=3.8(mm) C=4(mm) .....