

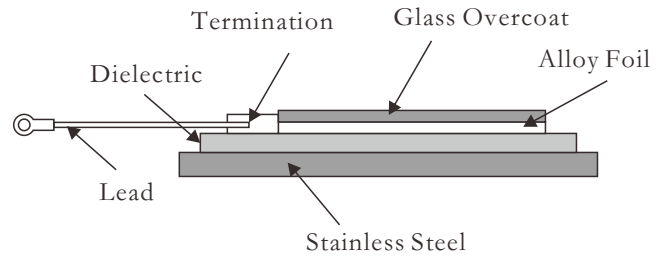
Features

- I Heatsinkable
- II Low profile
- III High power
- IV Pulse handling capability
- V Non-flammable
- VI Low inductances
- VII Single fixing heatsink mountable

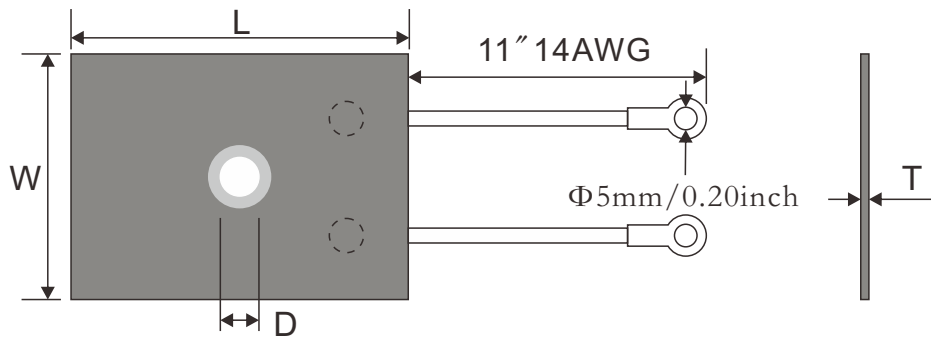
Applications

- I Heating element
- II In-rush current limiter
- III Bleeder resistor
- IV Power switching,
- V Soft charging

Construction



Power, Resistance And Dimensions



Type	Power (W)	Tolerance	Resistance range(Ω)	Dimensions (inch/mm)			
				L \pm 0.1	W \pm 0.1	Φ D	T \pm 0.1
ULH	125	F = \pm 1% G = \pm 2% J = \pm 5%	5 Ω - 10K Ω	1.94/49.30	1.41/35.90	0.13/3.20	0.04/1.0
ULH	150			2.40/61.00	1.60/40.60	0.21/5.30	0.04/1.0
ULH	200			4.00/101.60	2.76/70.00	0.21/5.30	0.04/1.0
ULH	250			4.80/122.00	2.76/70.00	0.21/5.30	0.04/1.0

Ordering Information

Example:

ULH	200	50R00	J
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance	Resistance Tolerance

(1) Series Name: ULH

(2) Power Rating: 125=125W, 150=150W, 200=200W, 250=250W

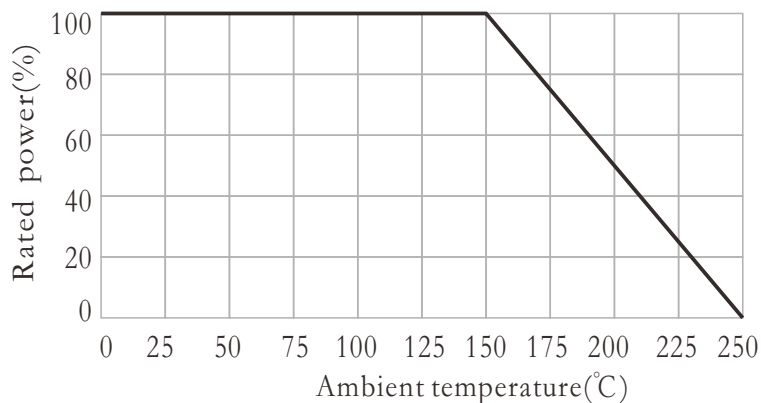
(3) Resistance: 0R100=1 Ω , 10R00=10 Ω , 1K000=1K Ω , 10K00=10K Ω

(4) Resistance Tolerance: F = \pm 1%, G = \pm 2%, J = \pm 5%

Reference Standards

JISC 5201-1

Derating Curve



Performance

Test item	Specifications(JISC 5201-1)
TCR	<200ppm (surface temp less than 150°C)
Hot spot surface temperature	250°C max.
Working voltage	Not to exceed 300V
Over-voltage rating	5× rated power for up to 1 second
Resistive element	Alloy foil
Derating	Element surface temp. at 100% to 0% power at 250°C surface temp.
Power rating	Dependent on mounting and heatsink thermal capacity
Maximum element temperature	400°C
Pulsed load at full pulse	$\Delta R \leq \pm (1\% + 0.1 \Omega)$