

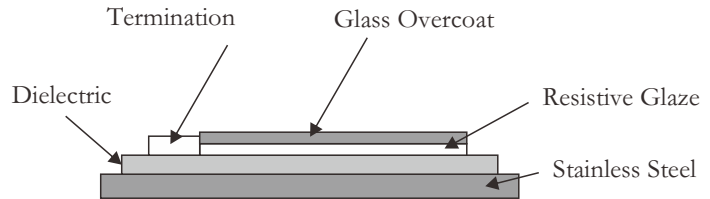
Features

- I Heatsinkable
- II Low profile
- III High power
- IV Pulse handling capability
- V Non-flammable
- VI Low inductances
- VII Available with fast-on terminals or wire leads
- VIII Rugged construction
- IX Ultra low profile thick-film on steel
- X 175W to 270W sizes
- XI Single fixing heatsink mountable

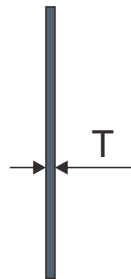
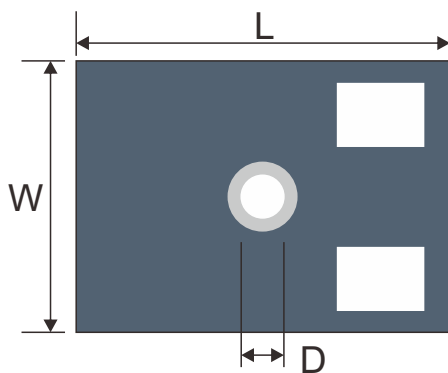
Applications

- I Braking resistors
- II In-rush current limiter
- III Bleeder resistor
- IV Power switching
- V Soft charging

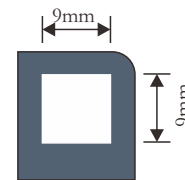
Construction



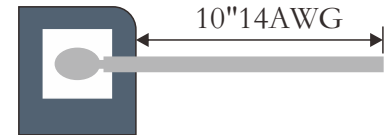
Power、Resistance And Dimensions



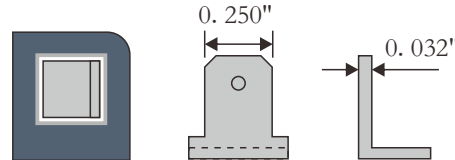
Solder pad only
SnAg(96S)



Flying leads



Push-on connectors



Type	Power (W)	Tolerance	Resistance range(Ω)	Dimensions (in/mm)				
				L ± 0.1	W ± 0.1	ΦD	T ± 0.1	Wt (oz/g)
ULR	175	K = ± 10% M = ± 20%	5 Ω — 10K Ω	1.94/49.30	1.41/35.90	0.13/3.20	0.04/0.9	0.44/12.60
ULR	200			2.40/61.00	1.60/40.60	0.21/5.30	0.04/0.9	0.60/17.10
ULR	250			4.00/101.60	2.76/70.00	0.21/5.30	0.04/0.9	1.78/50.80
ULR	270			4.80/122.00	2.76/70.00	0.21/5.30	0.04/0.9	2.12/60.70

Ordering Information

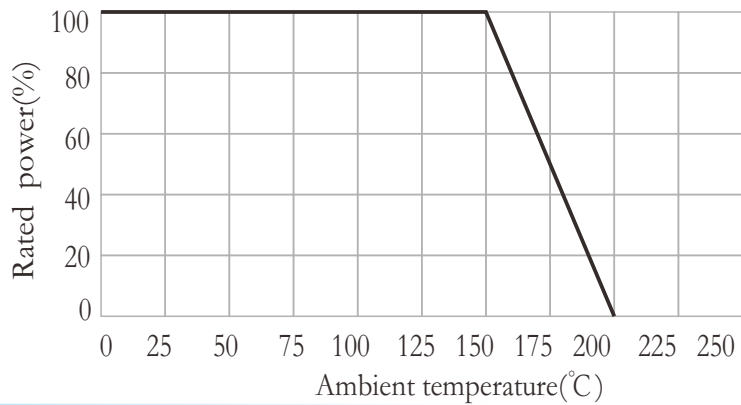
Example: ULR 200 C 50R00 K
 (1) (2) (3) (4) (5)
 Series Name Power Rating Termination Resistance Resistance Tolerance

- (1) Series Name: ULR
- (2) Power Rating: 175=175W, 200=200W, 250=250W, 275=275W
- (3) Termination: A=Tinned pad, B=Soldered lead, C=Fast on terminal
- (4) Resistance: 0R100=1Ω, 10R00=10Ω, 1K000=1KΩ, 10K00=10KΩ
- (5) Resistance Tolerance: K= ± 10%, M= ± 10%

Reference Standards

JISC 5201-1

Derating Curve



Performance

Test item	Specifications(JISC 5201-1)
TCR	<250ppm (surface temp less than 150°C)
Hot spot surface temperature	200°C max.
Working voltage	Not to exceed 300V
Over-voltage rating	5X rated power for up to 1 second
Resistive element	Thick Film
Derating	element surface temp. at 100% to 0% power at 200°C surface temp.
Power rating	dependent on mounting and heat-sink thermal capacity
Maximum element temperature	365°C
Pulsed load at full pulse power rating 1,000 cycles	Max. 1%ΔR. Mounted on a 0.06°C/W heatsink with forced air cooling, air temperature 25°C (ref AH32430 12" long)