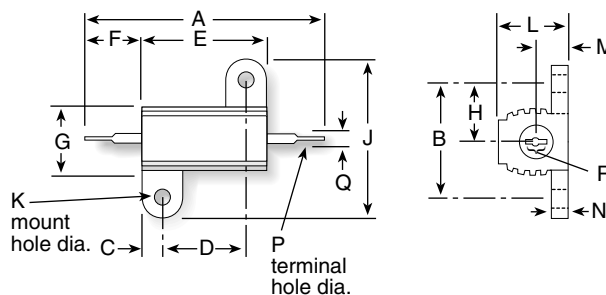


The metal housing also provides heat-sinking capabilities.

- High Stability: $\pm 0.5\%$ ΔR .
- High power to size ratio.
- Metal housing allows chassis mounting and provides heat sink capability.

**As of September 2006,
the 89 Series is no longer
offered as Mil. Spec.**

5W and 10W rating, 1000 VAC;
25 and 50W ratings, 2250 VAC.



Non-Inductive versions available. Insert "N" before tolerance code. Example: 850NF560

	5 watt	10 watt	25 watt	50 watt
Series (Industrial)	805	810	825	850
Dimensions				
Dim. A (in. ± 0.062 / mm ± 1.57)	1.125 / 28.59	1.375 / 34.93	1.938 / 49.23	2.781 / 70.64
Dim. B (in. ± 0.010 / mm ± 0.25)	0.490 / 12.45	0.625 / 15.88	0.781 / 19.84	0.844 / 21.44
Dim. C (in. ± 0.031 / mm ± 0.79)	0.078 / 1.98	0.094 / 2.39	0.172 / 4.37	0.188 / 4.78
Dim. D (in. ± 0.010 / mm ± 0.25)	0.444 / 11.28	0.562 / 14.28	0.719 / 18.26	1.562 / 39.68
Dim. E (in. ± 0.062 / mm ± 1.57)	0.600 / 15.24	0.750 / 19.05	1.062 / 26.98	1.938 / 49.23
Dim. F (in. ± 0.062 / mm ± 1.57)	0.266 / 6.76	0.312 / 7.93	0.438 / 11.13	0.438 / 11.13
Dim. G (in. ± 0.062 / mm ± 1.57)	0.334 / 8.48	0.438 / 11.13	0.531 / 13.49	0.594 / 15.09
Dim. H (in. ± 0.031 / mm ± 0.79)	0.245 / 6.22	0.312 / 7.93	0.391 / 9.93	0.422 / 10.72
Dim. J (in. ± 0.031 / mm ± 0.79)	0.646 / 16.41	0.812 / 20.63	1.094 / 27.79	1.156 / 29.36
Dim. K (in. ± 0.005 / mm ± 0.13)	0.093 / 2.36	0.094 / 2.39	0.125 / 3.18	0.125 / 3.18
Dim. L (in. ± 0.031 / mm ± 0.79)	0.320 / 8.13	0.406 / 10.31	0.562 / 14.28	0.625 / 15.88
Dim. M (in. ± 0.062 / mm ± 1.57)	0.133 / 3.38	0.203 / 5.16	0.281 / 7.14	0.312 / 7.92
Dim. N (in. ± 0.031 / mm ± 0.79)	0.065 / 1.65	0.094 / 2.39	0.094 / 2.39	0.094 / 2.39
Dim. P (in. ± 0.005 / mm ± 0.13)	0.050 / 1.27	0.085 / 2.16	0.085 / 2.16	0.085 / 2.16
Q min AWG	16	12	12	12
Dim. R (in., min/mm, min)	0.085/ 2.16	0.140/ 3.56	0.140/ 3.56	0.140/ 3.56

**RoHS
Compliant**

Wattage					Wattage					Wattage							
Ohmic value	Part No. Prefix ▶ Suffix ▼	5 805F	10 810F	25 825F	50 850F	Ohmic value	Part No. Prefix ▶ Suffix ▼	5 805F	10 810F	25 825F	50 850F	Ohmic value	Part No. Prefix ▶ Suffix ▼	5 805F	10 810F	25 825F	50 850F
0.005 — R005			✓	✓		20 — 20R		✓	✓			1,500 — 1K5		✓	✱	✱	✓
0.010 — R010			✓	✓		25 — 25R		✓	✓	✓	✓	2,000 — 2K0		✓	✓	✱	✱
0.025 — R025			✓	✓		30 — 30R		✱	✱			2,500 — 2K5		✓	✓		
0.1 — R10			✓	✓		40 — 40R		✱	✓			3,000 — 3K0		✱		✓	✱
0.3 — R30			✓	✱		50 — 50R		✓	✓	✓	✓	3,500 — 3K5		✱	✱		
0.5 — R50			✓	✱		75 — 75R		✓	✱	✓	✓	4,000 — 4K0		✓	✓		
0.7 — R70			✱	✱		100 — 100		✓	✓	✓	✓	4,500 — 4K5		✱	✱		
1.0 — 1R0		✓	✓	✓		150 — 150		✓	✓	✓	✓	5,000 — 5K0		✓		✓	✓
1.5 — 1R5		✱	✓	✓		200 — 200		✱	✱	✓	✓	6,000 — 6K0		✱			
2.0 — 2R0		✱	✓	✓	✓	250 — 250		✓	✓	✓	✓	10,000 — 10K		✓	✱	✓	✓
3.0 — 3R0		✓	✓	✓	✓	300 — 300		✓	✱			15,000 — 15K		✓	✓	✱	✱
4.0 — 4R0		✱	✓	✓		400 — 400		✱	✱			20,000 — 20K		✱	✱		
5.0 — 5R0		✓	✓	✓	✓	500 — 500		✓	✓	✓	✓	25,000 — 25K		✓	✱		✱
10.0 — 10R		✓	✓	✓	✓	750 — 750		✱	✱	✓	✓	50,000 — 50K			✱		
15.0 — 15R		✓	✓	✓	✓	1,000 — 1K0		✱	✓	✓	✓	75,000 — 75K				✱	
												100,000 — 100K				✱	

✓ = Standard values

✱ = Non-standard values subject to minimum handling charge per item

Shaded values involve very fine resistance wire and should not be used in critical applications without burn-in and/or thermal cycling.

Check product availability at www.ohmite.com