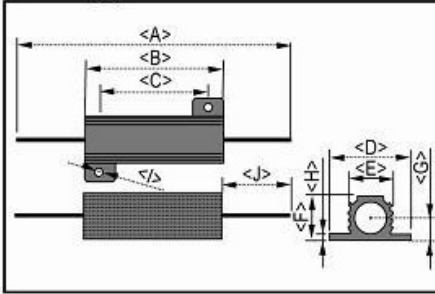
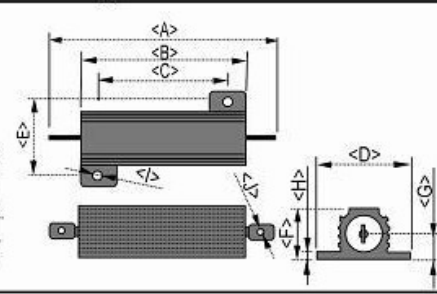


## AHP ALUMINUM HOUSE WIRE WOUND RESISTOR

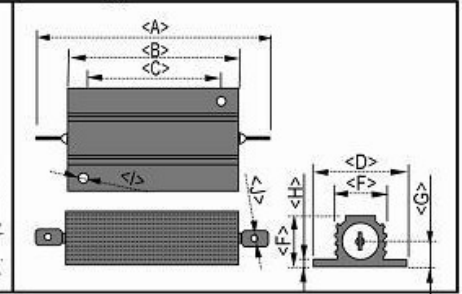
◆ A Type



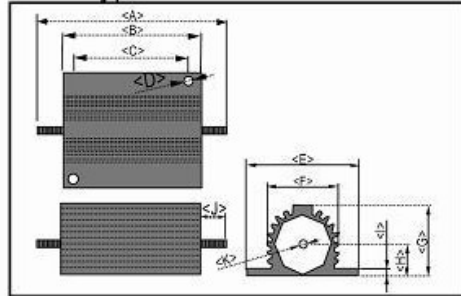
◆ B Type



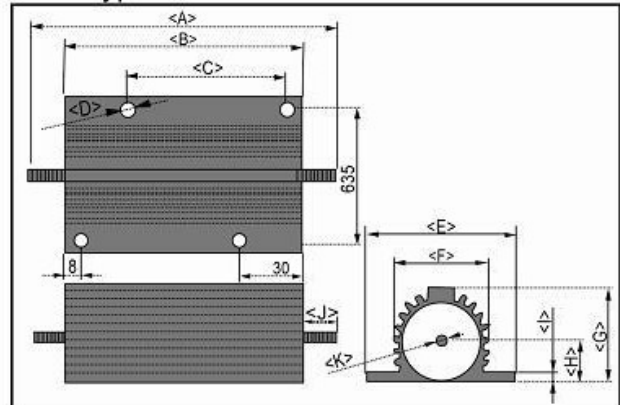
◆ C Type



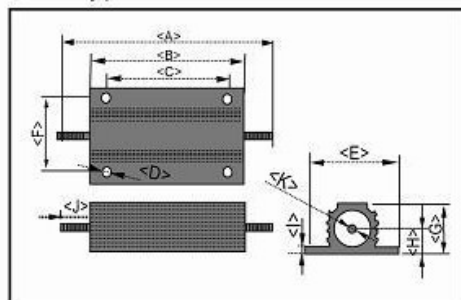
◆ D Type



◆ F Type



◆ E Type



### SPECIFICATIONS

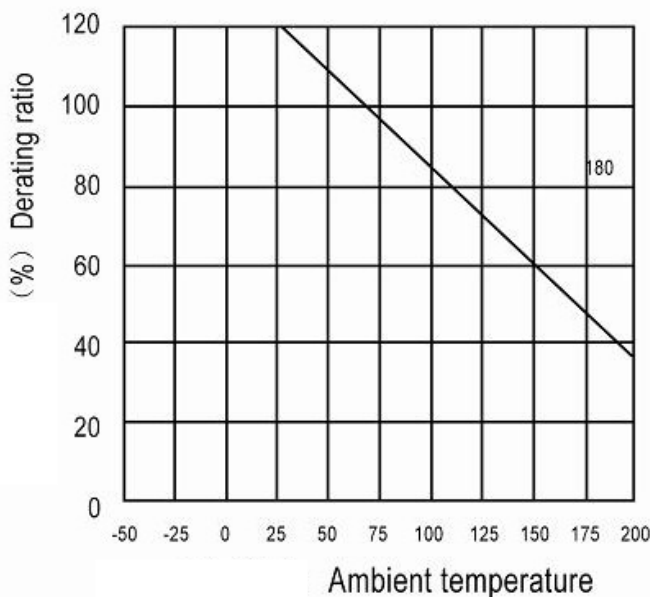
| Power Rating | Dimensions (mm) |      |      |       |      |      |      |       |       |       |       | Type | Resistance Range (Ω) | Remark |
|--------------|-----------------|------|------|-------|------|------|------|-------|-------|-------|-------|------|----------------------|--------|
|              | A±2.5           | B±1  | C±1  | D±0.5 | E±1  | F±1  | G±1  | H±0.5 | I±0.2 | J±1.5 | K±0.2 |      |                      |        |
| AH-5W        | 82              | 15.3 | 11.3 | 16.5  | 9.4  | 8    | 4    | 1.4   | 2.2   | 33    | -     | A    | 0.01 ~ 5K            |        |
| AH-10W       | 31.6            | 18.7 | 14.3 | 20.4  | 16.7 | 10   | 5    | 2     | 2.2   | 2.2   | -     | B    | 0.01 ~ 10K           |        |
| AH-25W       | 48              | 27.8 | 18.6 | 27.4  | 20   | 14.8 | 7.7  | 2     | 3.4   | 2.2   | -     | B    | 0.01 ~ 25K           |        |
| AH-50W       | 70              | 51   | 38.5 | 29.4  | 22.9 | 15.8 | 7.7  | 2.4   | 4.2   | 2.2   | -     | B    | 0.01 ~ 50K           |        |
| AH-85W       | 94              | 75   | 38.5 | 29.4  | 14.4 | 15.8 | 7.7  | 2.4   | 3.2   | 2.2   | -     | C    | 0.01 ~ 85K           |        |
| AHS-100W     | 98              | 66   | 35   | 4.5   | 47   | 36   | 25   | 13    | 3.2   | 15    | M4    | E    | 0.01 ~ 100K          |        |
| AH-100W      | 122             | 90   | 69.2 | 5.2   | 71.5 | 45   | 44   | 20±1  | 4.4   | 16    | M6    | D    | 0.01 ~ 100K          |        |
| AH-250W      | 178             | 114  | 76   | 5.2   | 77   | 57.8 | 54.5 | 25±1  | 5     | 32    | M6    | F    | 0.01 ~ 100K          |        |

## AHP ALUMINUM HOUSED WIRE WOUND RESISTOR

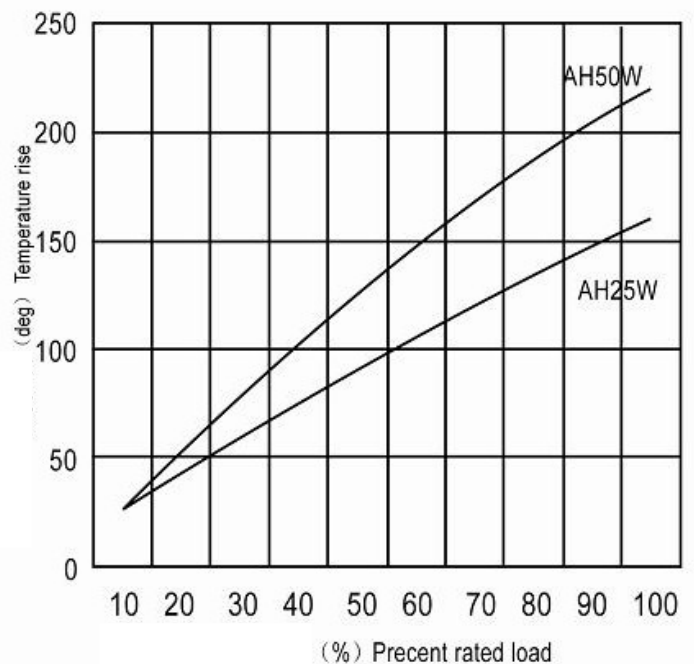
### ELECTRICAL PERFORMANCE

| 特性 Characteristics                  | 規格値 Limits  |
|-------------------------------------|---|
| Resistance and resistance tolerance | Resistance tolerance  |
|                                     | ±1% (F)                      ±5% (J)  |
|                                     | ±2% (G)                      ±10% (K)   |
| Temperatuer coefficient             | $R < 0.05\Omega \pm 200\text{ppm}/^\circ\text{C}$ $0.05\Omega \leq R < 0.1\Omega \pm 100\text{ppm}/^\circ\text{C}$<br>$0.1\Omega \leq R < 400\Omega \pm 50\text{ppm}/^\circ\text{C}$ $400\Omega \leq R \pm 30\text{ppm}/^\circ\text{C}$ |
| Power rating load                   | $\Delta R/R \leq \pm(1\% + 0.05\Omega)$   |
| Short-time overload                 | $\Delta R/R \leq \pm(0.5\% \pm 0.05\Omega)$   |
| Insulation resistance               | DC500V 100M $\Omega$ min.   |
| Dielectric withstanding voltage     | $\Delta R/R \leq \pm(0.2\% + 0.05\Omega)$<br>AC2000V 1 mintue   |

Power Derating Curve



Temperature Rise Curve



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[CL65J10R](#) [L12NJ20R](#) [GWK150J3309KLX000](#) [VRH320 1K K](#)