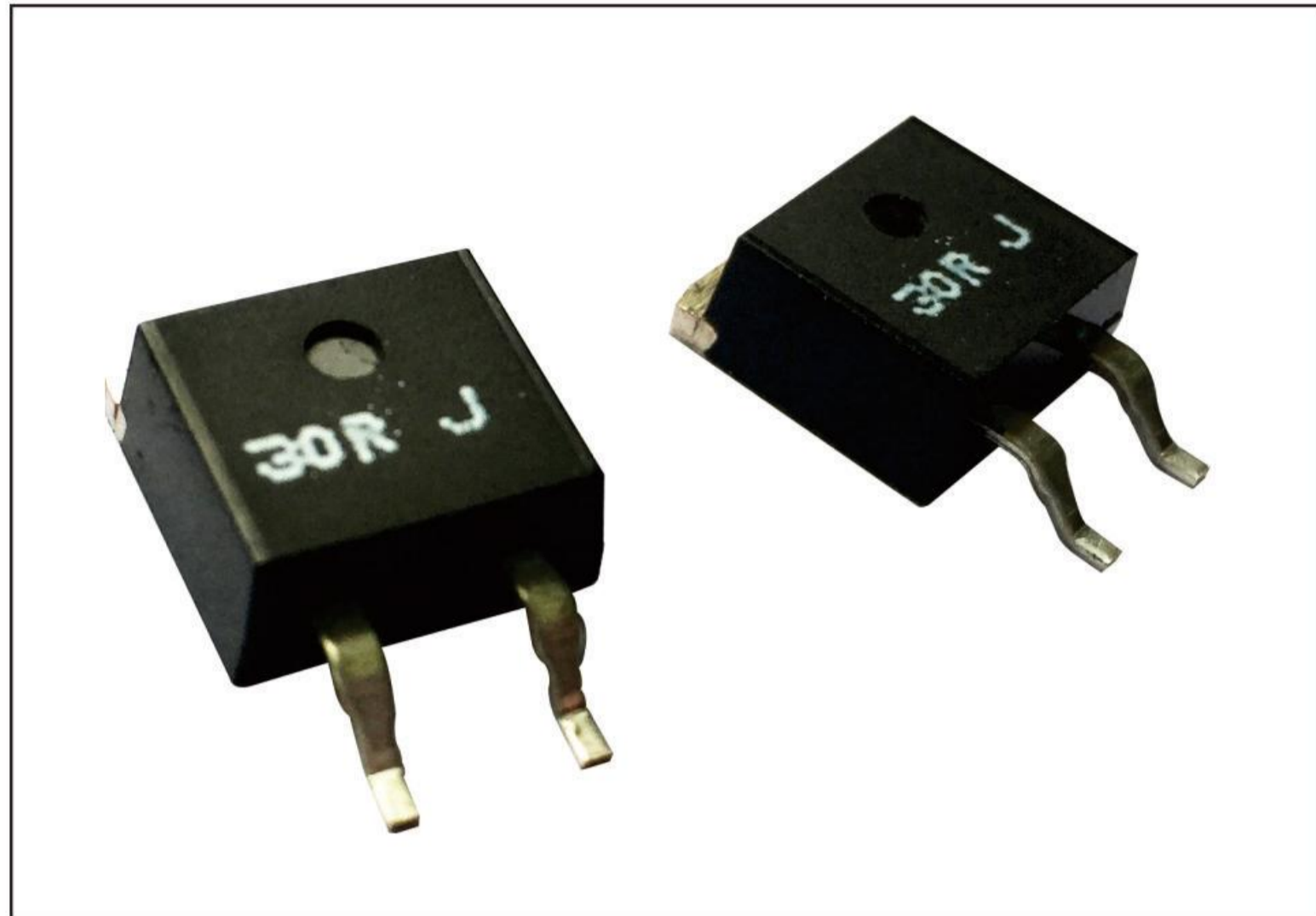
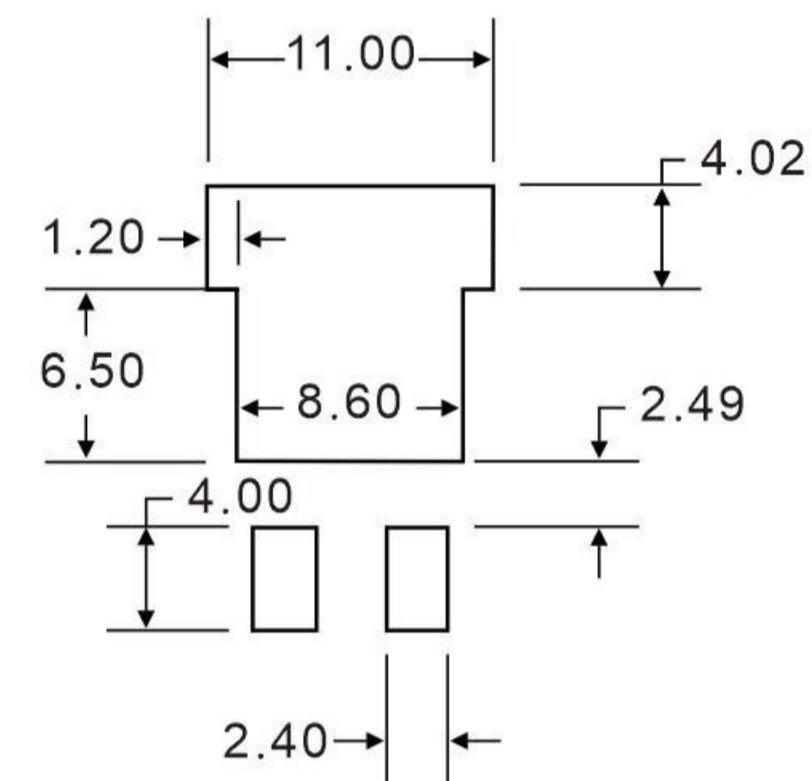
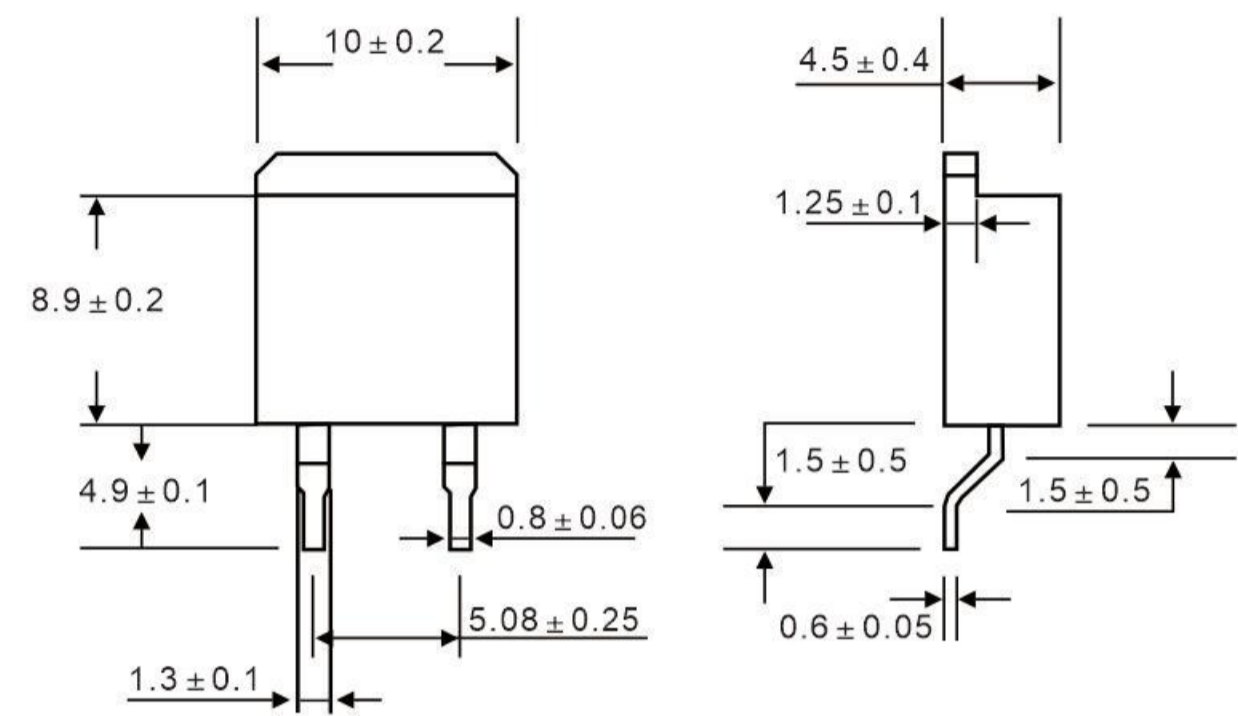


# POWER THICK FILM RESISTORS

## SERIES RTP35A



### Construction



Pad size

### Characteristics

- 0.5% Tolerance available
- High power rating
- Non inductive
- To-263 standard package
- Wide ohmic value range
- Easy mounting

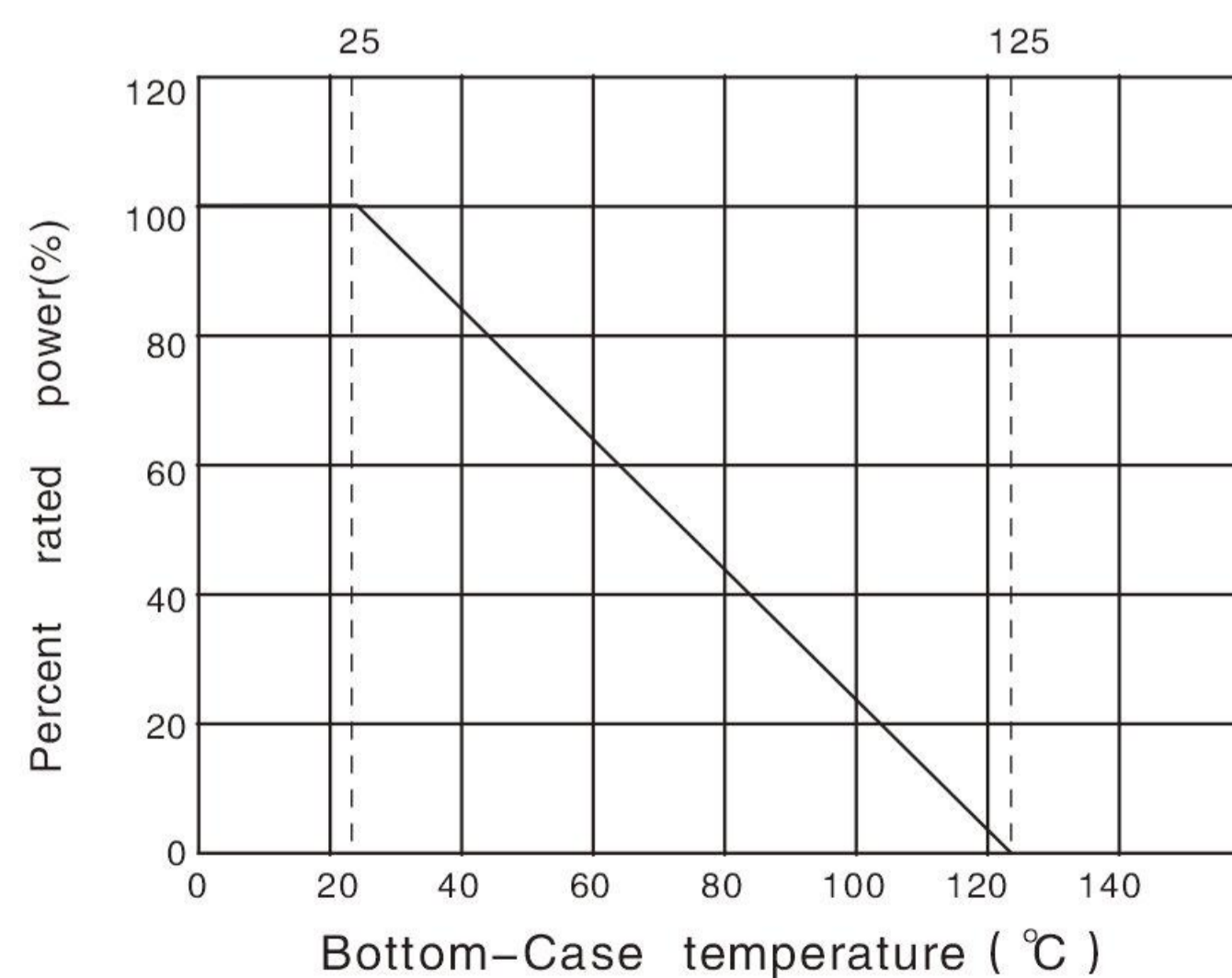
### Technical Standard

GB/T5729-2003 Fixed resistors for use in electronic equipment  
Part I: General Specification

### Application Area

Automotive electronics, induction heating, power supply equipment, medical equipment, wind and solar power generation and other power electronics industries.

### Derating Curve





# POWER THICK FILM RESISTORS

## SERIES RTP35A



### ■ Performance Characteristics

| TYPE                   | RTP35A      |            |                       |
|------------------------|-------------|------------|-----------------------|
| Power rating(25°C)     | 35W         |            |                       |
| Thermal resistance     | 4.5°C/W     |            |                       |
| Resistance value range | 0.1Ω-1Ω     | 1Ω-10Ω     | 10Ω-1MΩ               |
| Tolerance              | ±5%; ±10%   | ±5%; ±10%  | ±1%; ±5%              |
| TCR                    | ±500ppm/°C  | ±250ppm/°C | ±50ppm/°C; ±100ppm/°C |
| MAX. Working voltage   | 350V        |            |                       |
| Dielectric Strength    | 1800VAC     |            |                       |
| Temperature range      | -55°C-125°C |            |                       |
| Climatic category      | 55/125/56   |            |                       |
| Weight                 | 1.6g Max    |            |                       |

Special specifications can be supplied in consultation with customers.

The condition of the above power is needed to mount a heatsink if they has no heatsinks,the power only be 2.5W

### ■ Technical Data \_General

| TEST ITEM                  | SPECIFICATIONS  | TEST METHOD GB/T5729-2003 IEC60115-1: 2001 |
|----------------------------|---|--|
| Short time overload        | 1.5 times rated power 10s<br>$\Delta R \leq \pm (0.25\%R + 0.05\Omega)$ | 4.13                                       |
| Rapid temperature change   | $\Delta R \leq \pm (0.25\%R + 0.05\Omega)$                              | 4.19                                       |
| Temperature cycling        | $\Delta R \leq \pm (1\%R + 0.05\Omega)$                                 | 4.23                                       |
| Humidity ( steady States ) | $\Delta R \leq \pm (1\%R + 0.05\Omega)$                                 | 4.24                                       |
| Load life                  | $\Delta R \leq \pm (1\%R + 0.05\Omega)$                                 | 4.25.2                                     |