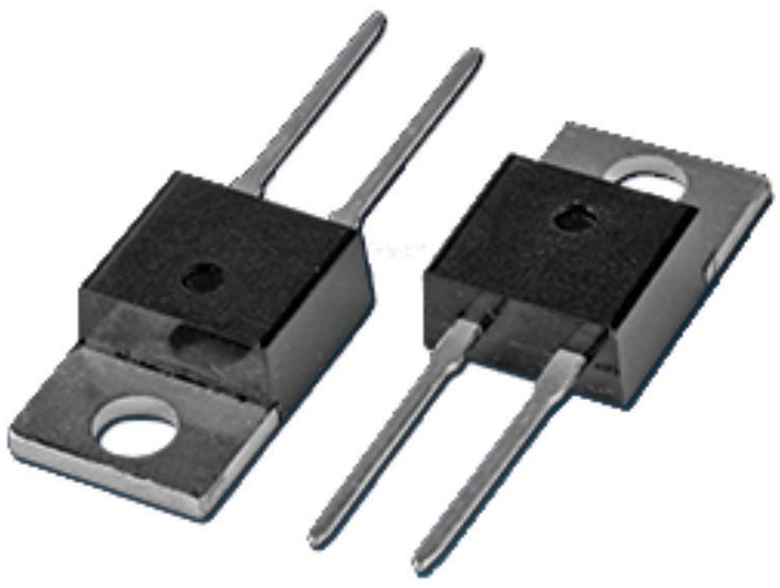
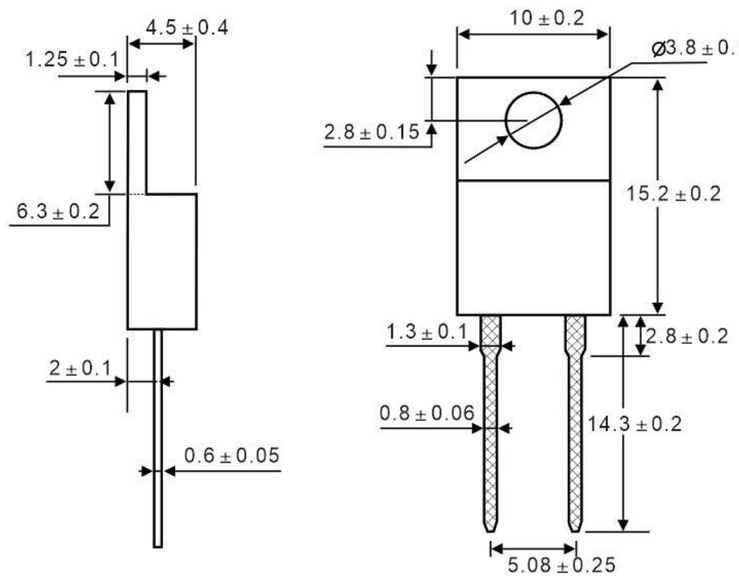
POWER THICK FILM RESISTORS
SERIES RTP35

DOUBLE CIRCLE
双 环



■ Construction



■ Characteristics

- 0.5% Tolerance available
- High power rating
- Non inductive
- To–220 standrd package
- Wide ohmic value range
- Easy mounting

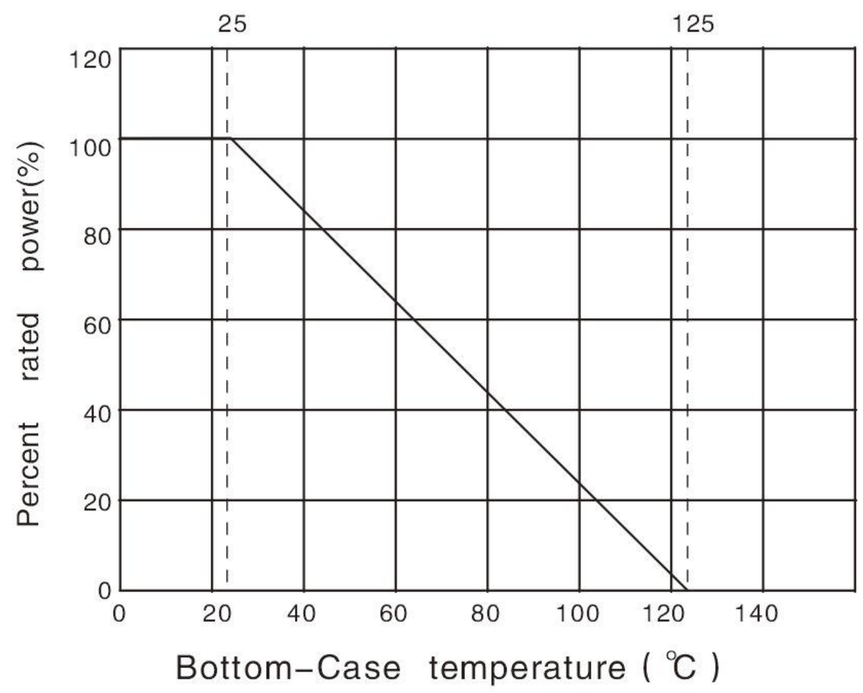
■ Technical Standard

GB/T5729–2003 Fixed resistors for use in electronic equipment
Part I: General Specification
Q/BDS 016–2017 RTP-type molding power thick-film fixing Detail specification for resistors
Assessment level E

■ Application Area

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

■ Derating Curve



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■ Performance Characteristics

TYPE	RTP35		
Power rating(25℃)	35W		
Thermal resistance	4.5℃/W		
Resistance value range	0.1Ω–1Ω	1Ω–10Ω	10Ω–1MΩ
Tolerance	±5%; ±10%	±5%; ±10%	±1%; ±5%
TCR	±500ppm/℃	±250ppm/℃	±50ppm/℃; ±100ppm/℃
MAX. Working voltage	350V		
Dielectric Strength	1800VAC		
Temperature range	–55℃–125℃		
Climatic category	55/125/56		
Weight	2.2g 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
Rated power test	1.5 times rated power 10s ΔR≤ ±（0.25%R+0.05Ω）	4.13
Short time overload	ΔR≤ ±（0.25%R+0.05Ω）	4.19
Thermal shock	ΔR≤ ±（1%R+0.05Ω）	4.23
Insulation resistance	ΔR≤ ±（1%R+0.05Ω）	4.24
Load life	ΔR≤ ±（1%R+0.05Ω）	4.25.2