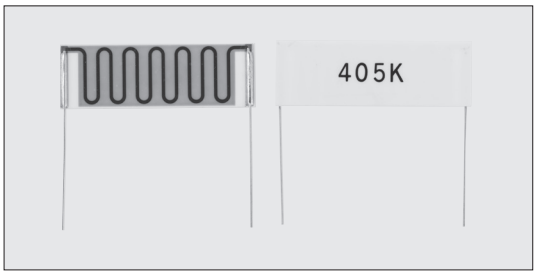
DISCHARGE RESISTOR

EU RoHS

RK92-L Thick Film Resistors For High Voltage



Coating color : Green
Marking : Alphanumeric

■Features

- Resistors excellent in overload capability.
- Thin SIP shape.
- Thick film resistors (RuO_2) ensure high stabilities in life and change in aging.
- Meet EU-RoHS requirements. EU-RoHS regulation is not intended for Pb-glass contained in electrode, resistor element and glass.

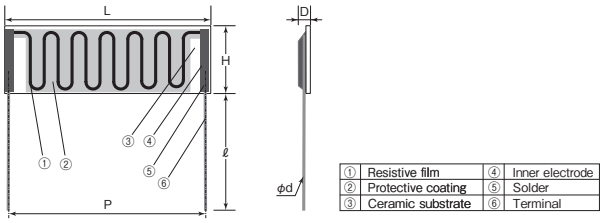
■Applications

- Charging and discharge resistors for power supply circuits.

■Reference Standards

IEC 60115-1
JIS C 5201-1

■Construction



■Dimensions

Style	Dimensions (mm)						Weight (g) (300pcs)
	L	H	P	D	ℓ	φd (Nominal)	
18FL	48.5 Max.	16.5 Max.	45.0±1.0	2.5 Max.	30.0±1.0	0.65	974

■Type Designation

Example

RK92	–	18FL	4W	D	305	K
Product Code		Style	Power Rating	Terminal Surface Material	Nominal Resistance	Resistance Tolerance
				D : SnAgCu	3 digits	K : ±10%

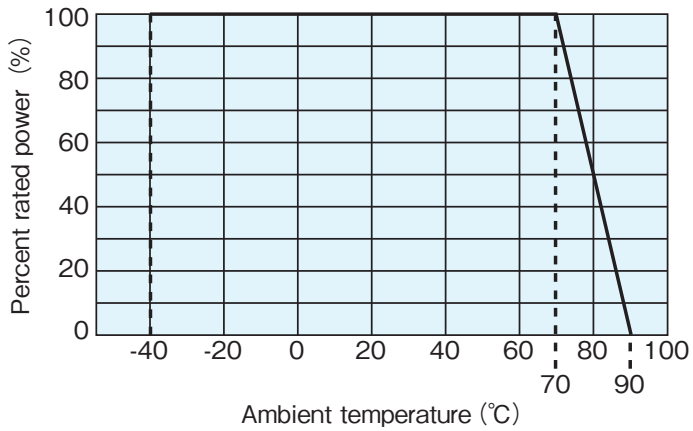
Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.

■Ratings

Style	Power Rating	Resistance Range (Ω) K : ±10%	T.C.R. (×10⁻⁶/K)	Rated Ambient Temp.	Operating Temp. Range
18FL	4W	1.2M～16M (1.2M、3M、4M、5M 8M、12M、16M)	±300	+70℃	−40℃～+90℃

Rated voltage = $\sqrt{\text{Power Rating} \times \text{Resistance value}}$

■Derating Curve



For resistors operated at an ambient temperature of 70℃ or higher, the power shall be derated in accordance with the above derating curve.

■Performance

Test Items	Performance Requirements ΔR±(%+0.05Ω)		Test Methods
	Limit	Typical	
Resistance	Within specified tolerance	—	25℃
T.C.R.	Within specified T.C.R.	—	+25℃/+125℃
Temperature cycling	2	1.0	−40℃ (30min.) /+130℃ (30min.) 10 cycles
Endurance	3	1.5	Insulating oil 1000h Rated voltage

■Precautions for Use

• The condition for lead-free terminal resistors are set up at 260℃ Max. within 10s.