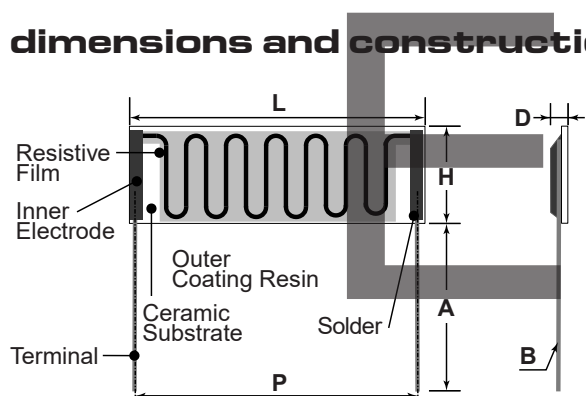


### features

- Resistors excellent in overload capability
- Thin SIP shape
- Thick film resistors ( $\text{RuO}_2$ ) 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.

### dimensions and construction



Type	Dimensions inches (mm)					
	L (Max.)	H (Max.)	P	D (Max.)	A	øB (Nom.)
18FL	1.91 (48.5)	.650 (16.5)	1.77±.039 (45.0±1.0)	.098 (2.5)	1.18±.039 (30.0±1.0)	.026 (0.65)

### ordering information

<b>RK92</b>	<b>-</b>	<b>18FL</b>	<b>4W</b>	<b>D</b>	<b>305</b>	<b>K</b>
Type	Dash	Style	Power Rating	Termination Material	Nominal Resistance	Resistance Tolerance
RK92		18FL	4W	D: SnAgCu	3 Digits	K: ±10%

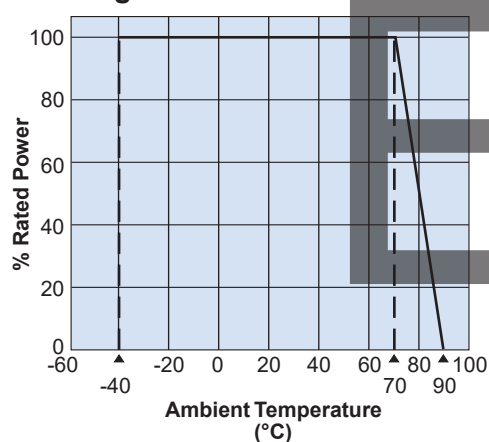
## applications and ratings

Part Designation	Power Rating	Resistance Range (Ω) K: ±10%	T.C.R. (X10 <sup>-6</sup> /K)	Rated Ambient Temperature	Operating Temperature Range
18FL	4W	1.2M ~ 16M (1.2M, 3M, 4M, 5M, 8M, 12M, 16M)	±300	+70°C	-40°C to +90°C

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

## environmental applications

### Derating Curve



For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

## Performance Characteristics

Parameter	Requirement $\Delta R \pm(\% + 0.05\Omega)$		Test Method
	Limit	Typical	
Resistance	Within specified tolerance	—	25°C
T.C.R.	Within specified T.C.R.	—	+25°C/+125°C
Temperature Cycling	2%	1.0%	-40°C (30 minutes)/ +130°C (30 minutes) 10 cycles
Endurance	3%	1.5%	Insulating oil 1000 hours, Rated voltage