

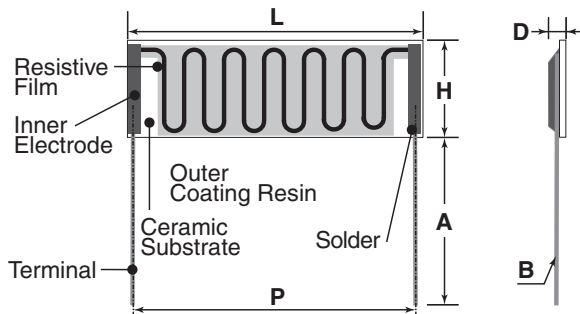
NEW



features

- Resistors excellent in overload capability
- Thin SIP shape
- Thick film resistors (RuO₂) 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) | .010±.039 (30.0±1.0) | .026 (0.65) |

ordering information

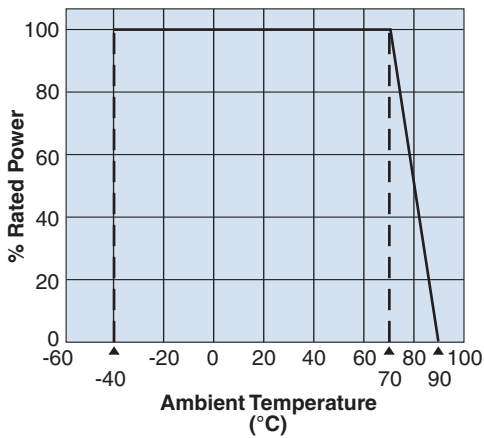
| | | | | | | | | | | |
|-------------|---|-------------|--|--------------|--|----------------------|--|--------------------|--|----------------------|
| RK92 | - | 18FL | | 4W | | D | | 305 | | K |
| Type | | Style | | Power Rating | | Termination Material | | Nominal Resistance | | Resistance Tolerance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

applications and ratings

| Part Designation | Power Rating | Resistance Range (Ω) K: $\pm 10\%$ | T.C.R. ($\times 10^{-6}/K$) | 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 |

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% | -25°C (30 minutes)/ +125°C (30 minutes) 5 cycles |
| Endurance | 3% | 1.5% | Insulating oil 1000 hours, Rated voltage |