

Series EVR S1000

AEC-
Q200
ready

PCB Power Resistor for easy soldering and mounting. Compatible with SMT manufacturing lines for cost saving installation. Very low weight for good vibration behavior.

Features

- Reflow solderable
- Scalable to customer applications
- Almost no heat impact into PCB
- Additional usable space under the component



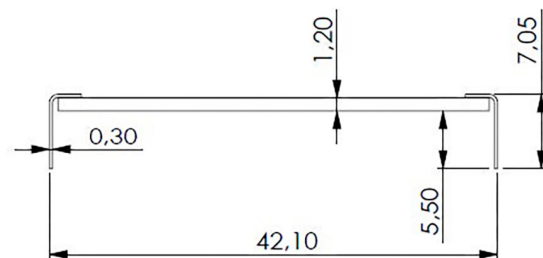
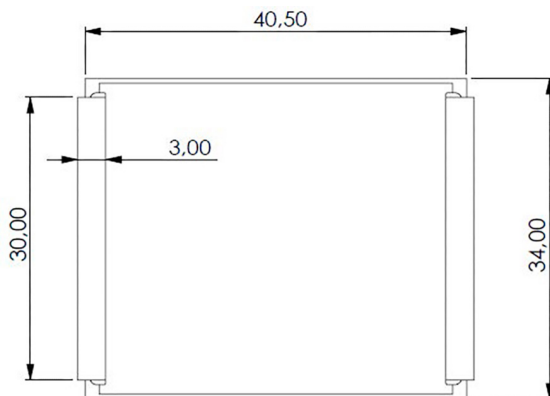
Technical Specifications

Resistance value	0.5 Ω to 1 M Ω
Resistance tolerance	$\pm 0.5\%$ to $\pm 10\%$
Temperature coefficient	± 150 ppm/ $^{\circ}\text{C}$ (referenced to 25 $^{\circ}\text{C}$, ΔR taken at $\sim 105^{\circ}\text{C}$)
Power rating	20 W at 25 $^{\circ}\text{C}$ Ta (150 s continuous operation)
Operating voltage	1000 V
Operating temperature range	- 55 $^{\circ}\text{C}$ to + 200 $^{\circ}\text{C}$
Weight	~ 8 g

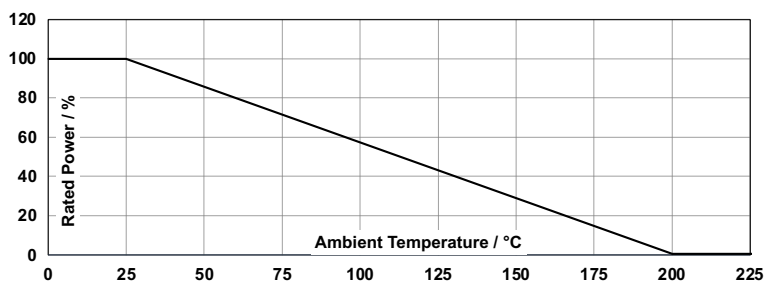
Typical Pulse Load (initial resistor temperatur $\leq 85^{\circ}\text{C}$)

250 J for $\tau = 0.1$ s
370 J for $\tau = 0.2$ s
600 J for $\tau = 0.5$ s

Dimensions in mm



Derating Curve





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