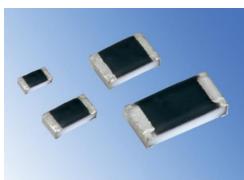
200°C Operating Anti-Pulse Chip Resistors









Features

- High performance above +155 °C
- Outstanding pulse performance, high power
 - 270 W for 10 µs in size 1206
 - High component and equipment reliability
- 1 Ω ... 10 MΩ
- 1 % or 5 %
- Sn plated electrodes for solder mounting (+175 °C)
- Au plated electrodes for conductive glue mounting (+200 °C)
- AEC-Q200 tested

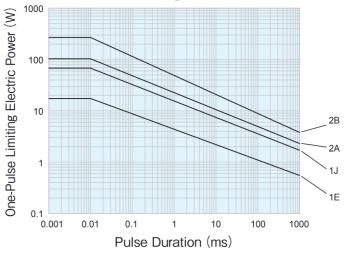
Application Examples

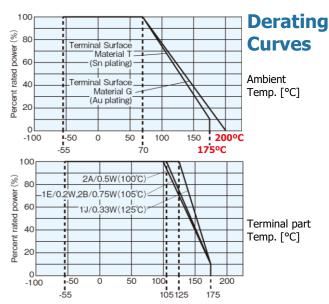
- Automotive: Power control unit, gear box electronics, engine sensors
- Industrial: Power modules, high temperature electronics, power supplies

Power Pulse Tolerant Chip Resistors

The HSG73P series has approx. 7 times pulse handling capability compared to standard flat chip resistors. Due to the special resistance trimming it also allows a higher continuous power rating. This means that existing designs can be 'powered up': An HSG73P device can be dropped onto the pads of a similar sized conventional part, thus increasing the power capability without changing the PCB layout.

One-Pulse Limiting Electric Power





Ratings (Sn plating type)*1

Туре		Power Rating* ²	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R (ppm/K)	Resistance Range (E24)		Max.	Max.
	Size (Inch)					F: ±1 %	J: ±5 %	Working Voltage	Overload Voltage
HSG73P 1E 1	0402	0.2 W	+70 °C	+105 °C	±200	10 Ω ~ 1 ΜΩ	1 Ω ~ 10 ΜΩ	75 V	100 V
HSG73P 1J T	0603	0.33 W		+125 °C				150 V	200 V
HSG73P 2A	0805	0.5 W		+100 °C				200 V	400 V
HSG73P 2B 1	1206	0.75 W		+105 °C					

^{*1} Please contact KOA for ratings and ordering code of Au plated products.

Specification given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use. Contact our sales representatives before you use our products for applications including automotive, medical equipment and aerospace equipment. Malfunction or failure of the products in such applications may cause loss of human life or serious damage.

Our privacy policy in its newest form is available at http://koaeurope.de/privacy-policy/

^{*2} If you use at rated power, keep the condition that the terminal of the resistor is below the rated terminal part temp. and refer to derating curves. Please contact KOA for detailed specifications.