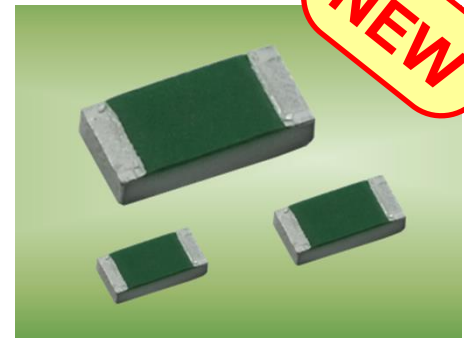


AEC-Q200 qualified, $\pm 0.5\%$, ± 50 ppm/K, High Precision, Anti-Pulse Resistor



KOAs new SG73G-series thick film resistors are designed for applications where high precision and pulse stability are essential.

The new SG73G-series has a T.C.R. of ± 50 ppm/K as well as a tolerance of $\pm 0.5\%$ so it is ideal for precision designs such as high-accuracy sensing or voltage detection circuits in automotive and industrial applications. The special inner construction offers also an outstanding pulse load capability and allows higher rated power.



Features:

- Outstanding pulse proof properties
- High precision: $\pm 0.5\%$, T.C.R. ± 50 ppm/K
- High power rating
- $30\ \Omega$ to $1\ \text{M}\Omega$
- Available in 0603, 0805 and 1206
- Improved high temperature reliability ($-55\ \text{°C}$ to $+155\ \text{°C}$)
- AEC-Q200 qualified

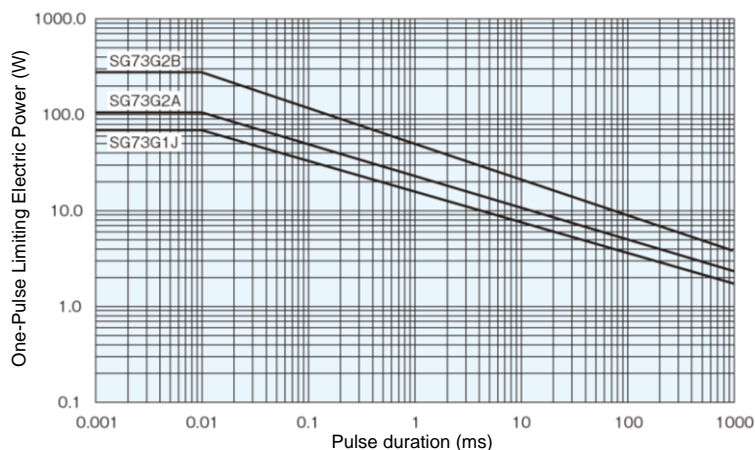
Application Examples:

- Automotive electronics (e.g. ECU)
- Power supplies
- Industrial Electronics
- Measuring instruments
- Motor controls
- Smart meters
- Power conditioners / inverters
- White goods

Ratings:

Type	Size (inch)	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R.	Resistance Range E24 & E96 D: $\pm 0.5\%$	Max. Working Voltage	Max. Overload Voltage
SG73G1J	0603	0.2 W	+70 °C	+125 °C	± 50 ppm/K	$30\ \Omega - 1\ \text{M}\Omega$	150 V	200 V
		0.33 W*	-	+125 °C				
SG73G2A	0805	0.25 W	+70 °C	+125 °C				
		0.5 W*	-	+100 °C				
SG73G2B	1206	0.33 W	+70 °C	+125 °C				
		0.5 W*	-	+120 °C				

*Increased power ratings are allowed acc. to derating curve based on terminal part temperature.



One-Pulse Limiting Electric Power

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