

# Wide Termination – Pulse Proof and Anti-Surge Chip Resistors



## Surge & Pulse Stable Wide Terminal Chip Resistors

### WG73 Series



High reliability and enhanced terminal strength are essential in all power applications. KOA's wide terminal resistors offer several advantages compared to standard footprints. The 0612 chip size allows 4 x power rating compared to standard 1206 parts. This saves board space and is possible due to the improved heat dissipation via the solder joints.

The new WG73 series has approx. 20 times the pulse handling capability compared to standard flat chip resistors of a similar size.

The large terminals also enhance terminal strength and the smaller distance between the terminals reduces expansion stress.

#### Product Features

- 10 kW / 1  $\mu$ s single pulse power (1225 size)
- PCB space saving design
- Outstanding pulse proof properties and ESD characteristics
- Excellent heat dissipation
- Superior temperature cycling performance
- Low thermal expansion stress
- Standard sizes 0612, 1020 and 1225
- Tested acc. to AEC-Q200 requirements

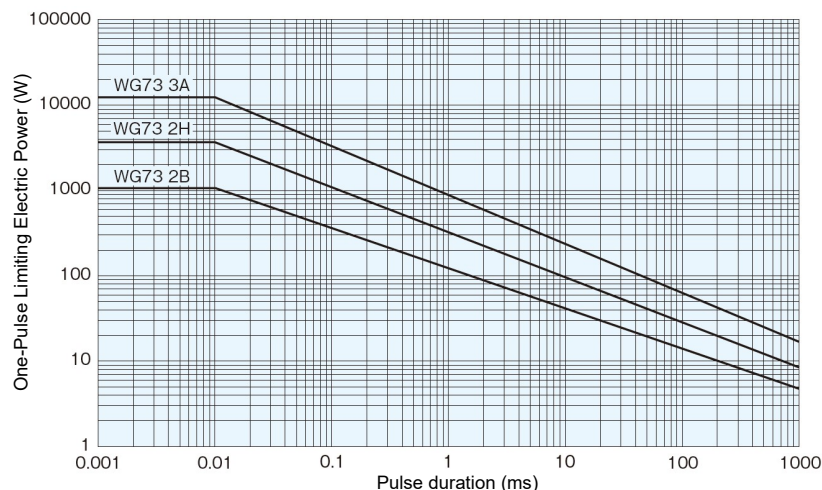
#### Application Examples

- Automotive electronics
- Power supplies
- Motor control units
- Industrial power control
- Battery packs
- Smart meters
- Power conditioners / inverters
- Consumer electronics

#### Ratings

Type	Size (Inch)	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R.	Resistance Range (E12)	Max. Working Voltage	Max. Overload Voltage
						K: $\pm 10\%$ • M: $\pm 20\%$		
WG73 2B <b>NEW</b>	0612	1 W	+70 °C	+125 °C	$\pm 100$ ppm/K	560 m $\Omega$ ~ 1 k $\Omega$	200 V	400 V
WG73 2H	1020	1 W						
WG73 3A <b>NEW</b>	1225	2 W						

Operating temperature range: -55 °C ~ +155 °C



One-Pulse Limiting Electric Power

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