

Space Saving Surface Mount Resistors



Special Flat Chip Resistors

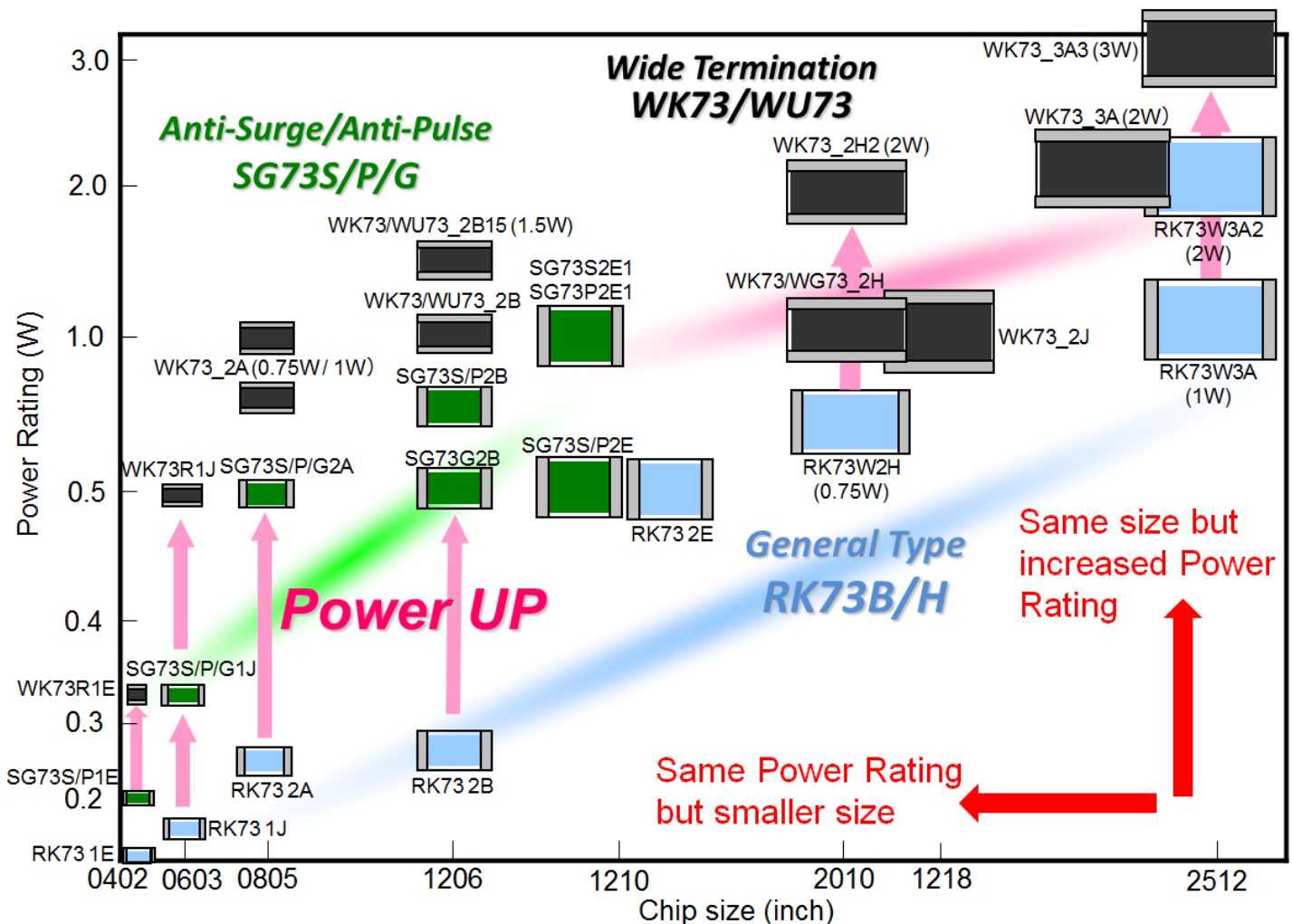
Downsizing

PCB space can be saved by using smaller parts from KOA's SG73 and WK73 series which allow the same power rating.

Power-up

Alternatively, current layouts can be upgraded to allow higher rated power parts on existing footprints.

Flat Chip Size vs. Power Rating for General / Anti-Surge / Wide Terminal types



For more information, please contact:
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Space Saving Surface Mount Resistors



SG73 Series



■ Application Examples

- Automotive electronics
- Power supplies
- Industrial electronics
- Measuring instruments
- Motor control units
- Smart meter
- Power conditioner / inverter
- White goods

Pulse Proof and Anti-Surge Resistors

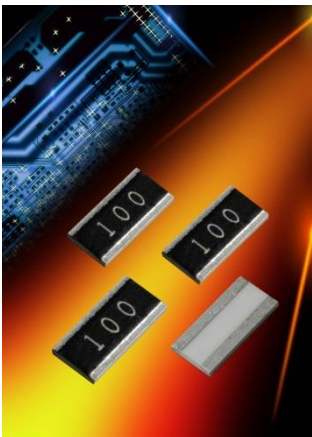
■ Product Features

- Outstanding pulse performance (SG73, SG73P, SG73G)
- Excellent in ESD characteristics (SG73, SG73S)
- High component and equipment reliability
- Available in sizes 0402...2512
- Resistance range 1 Ω ...10 M Ω
- Resistance tolerances to ± 0.25 %
- Operating temperatures up to +155 °C
- EU-RoHS compliant, AEC-Q200 qualified
- Anti-Sulfuration type also available

■ Part Numbers and Series

- **SG73**: Pulse & surge withstanding, ± 10 %, ± 20 %, 0603...2512
- **SG73 P**: Pulse withstanding, ± 0.5 %... ± 5 %, 0402...1210
- **SG73 S**: Surge withstanding, ± 0.5 %... ± 5 %, 0402...1210
- **SG73 P/S_RT**: Anti-sulfuration, 1 Ω ...10 M Ω , 0402...2512
- **SG73 G**: High precision & pulse withstanding, ± 0.25 %, ± 0.5 %, 0603, 0805, 1206, T.C.R. ± 50 ppm/K

WK73/WU73 Series



■ Application Examples

- Automotive electronics
- Power supplies
- Motor control units
- Industrial power control
- Battery packs
- Consumer electronics
- etc.

Wide Termination Resistors

■ Product Features

- Excellent heat dissipation
- Superior temperature and power cycling performance
- Low thermal expansion stress
- Higher rated power – less board space than standard chips
- Standard sizes 0204, 0306, 0508, 0612, 1020, 1218 and 1225
- Resistance range 10 m Ω ...1 M Ω
- Resistance tolerances ± 0.5 %, ± 1 %, ± 5 %
- Operating temperatures to +155 °C
- EU-RoHS compliant, AEC-Q200 qualified
- Anti-sulfuration type also available

■ Part Numbers and Series

- **WK73 R**: 10 Ω ...1 M Ω , 0402...1225
- **WK73 S**: 10 m Ω ...9.76 Ω , 0508...1225
- **WG73**: Pulse withstanding, 560 m Ω ...1 k Ω , 0612, 1020, 1225
- **WU73**: Improved T.C.R., 10 m Ω ...100 m Ω , 0612
- **WK73 R/S_RT**: Anti-sulfuration, 1 Ω ...1 M Ω , 0508...1225

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