

CGS AUTOMOTIVE GRADE WIDE TERMINAL CHIP RESISTOR 3430 SERIES

TE Connectivity (TE)'s CGS 3430 Series are a new automotive grade, high power wide terminal chip resistor.

The ruthenium based thick film element and wide terminals enable the capability to dissipate greater power ratings than previously possible with traditional methods. They possess highly reliable, multilayer electrode construction and 100% CCD inspection to further improve long term stability, as well as automotive qualification compliance for reliability. Our 3430 Series is offered with flexible volume-based pricing to enable our customers' needs.

BENEFITS

- High reliability & reduced risk of failure with multilayer electrode construction
- AEC-Q200 compliance
- Wide terminal SMD suitable for automatic placement, reflow soldering
- Space and cost savings on the PCB
- High Power up to 3W

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APPLICATIONS

- LED lighting
- Robotics
- Automation controls
- BESS & EVI
- Automotive industry
- Telecommunication equipment
- Radio and tape recorders, TV tuners
- Digital cameras, watches, pocket calculators
- Computers & instruments
- Medical equipment

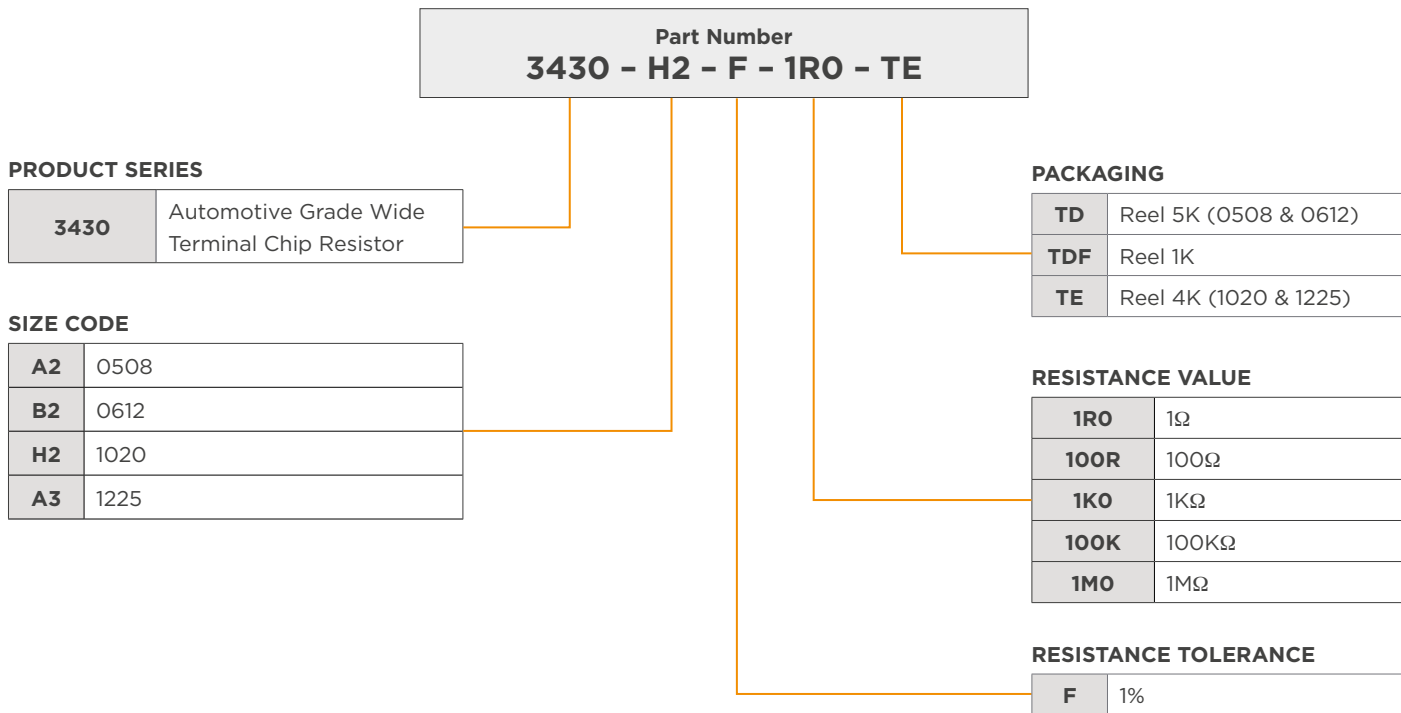
CHARACTERISTICS - ELECTRICAL

| Item / Size | Size Code | Power rating @70°C | Max Operating Voltage | Max Overload Voltage | Resistance Range | Resistance Tolerance | TCR (PPM/°C) |
|-------------|-----------|----------------------|-----------------------|----------------------|------------------|----------------------|--------------|
| | | Jumper Rated Current | | | | | |
| 0508 | A2 | 1W | 200V | 400V | 1R ~ 9R76 | 1% | ±150 |
| | | Jumper 5A | | | 10R ~ 1M | | ±100 |
| | | | | | 0R <10mΩ | | - |
| 0612 | B2 | 1.5W | 200V | 400V | 1R ~ 1M | 1% | ±100 |
| | | Jumper 6A | | | 0R <10mΩ | | - |
| 1020 | H2 | 2W | 200V | 400V | 1R ~ 9R76 | 1% | ±150 |
| | | Jumper 10A | | | 10R ~ 1M | | ±100 |
| | | | | | 0R <10mΩ | | - |
| 1225 | A3 | 3W | 200V | 400V | 1R ~ 29R4 | 1% | ±200 |
| | | Jumper 12A | | | 30R ~ 1M | | ±100 |
| | | | | | 0R <10mΩ | | - |

- Operating Temperature Range: -55 ~ 155°C
- Operating Voltage= $\sqrt{P \cdot R}$ or Max. Operating Voltage listed above, whichever is lower.
- Overload Voltage= $2.5 \cdot \sqrt{P \cdot R}$ or Max. Overload Voltage listed above, whichever is lower.
- Tighter tolerances may be available on application

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ORDERING INFORMATION



SMART PN EXAMPLES

- Product Series: 3430 - Size Code: H2 - Resistance Tolerance: F - Resistance Value: 1R0 - Packaging: **TE 3430H2F1R0TE**
- Product Series: 3430 - Size Code: A2 - Resistance Tolerance: F - Resistance Value: 4R7 - Packaging: **TD 3430A2F4R7TD**

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