

## 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

# CGS AUTOMOTIVE GRADE WIDE TERMINAL CHIP RESISTOR

## 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

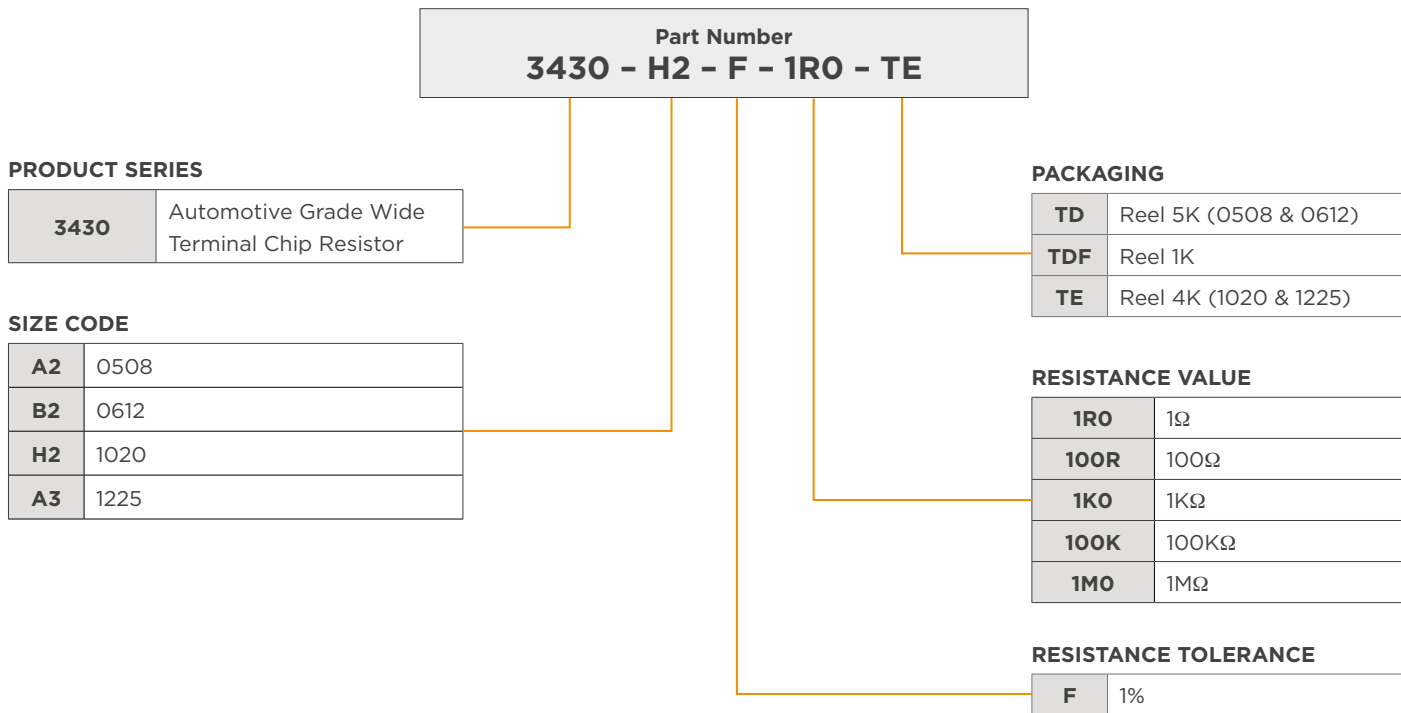
## CHARACTERISTICS - ELECTRICAL

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
					OR <10mΩ		-
0612	B2	1.5W	200V	400V	1R ~ 1M	1%	±100
		Jumper 6A			OR <10mΩ		-
1020	H2	2W	200V	400V	1R ~ 9R76	1%	±150
		Jumper 10A			10R ~ 1M		±100
					OR <10mΩ		-
1225	A3	3W	200V	400V	1R ~ 29R4	1%	±200
		Jumper 12A			30R ~ 1M		±100
					OR <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

# CGS AUTOMOTIVE GRADE WIDE TERMINAL CHIP RESISTOR

## 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**

## te.com

© 2022 TE Connectivity. All Rights Reserved.

TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by TE Connectivity. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

12/22 MU

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[3430A3F20KTDF](#)