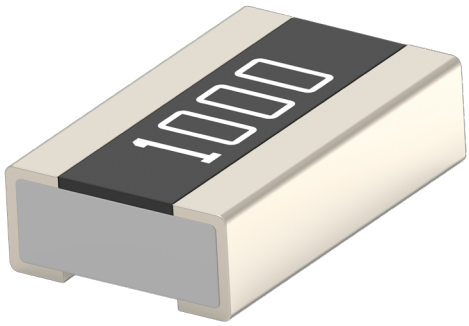

CGS AUTOMOTIVE GRADE WIDE TERMINAL CHIP RESISTOR 3430 SERIES

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 dissipated 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 / Jumper Rated Current	Max Operating Voltage	Max Overload Voltage	Resistance Range	Resistance Tolerance	TCR (PPM/°C)
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=√(P*R) or Max. Operating Voltage listed above, whichever is lower.
- Overload Voltage=2.5*√(P*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

Part Number
3430 – H2 – F – 1R0 – TE

PRODUCT SERIES

3430	Automotive Grade Wide Terminal Chip Resistor

SIZE CODE

A2	0508
B2	0612
H2	1020
A3	1225

PACKAGING

TD	Reel 5K (0508 & 0612)
TDF	Reel 1K
TE	Reel 4K (1020 & 1225)

RESISTANCE VALUE

1R0	1Ω
100R	100Ω
1K0	1KΩ
100K	100KΩ
1M0	1MΩ

RESISTANCE TOLERANCE

F	1%

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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