



Passive Components > Resistors > Surface Mount Resistors



Resistance Value: 510K Ω
Resistor Type: Power Resistor
Element Type: Thick Film
Package Size Code: 0612
Power Rating: 1.5 W

Features

Product Type Features

Resistor Type	Power Resistor
Element Type	Thick Film
Package Size Code	0612

Configuration Features

Number of Resistors	1
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Electrical Characteristics

Operating Voltage	200 V
Resistance Value	510K Ω
Power Rating	1.5 W
Resistance Class	1k Ω – 1M Ω
Passive Component Tolerance	1 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2



Dimensions

Product Height	.55 mm[.022 in]
Product Length	1.55 mm[.061 in]
Product Width	3 mm[.118 in]

Usage Conditions

Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) ‘Guidance on requirements for substances in articles’ posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | CGS 3430



Customers Also Bought



Documents

Product Drawings

3430 B2 1% 510K 100ppm 1k RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_4-2176559-0_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2176559-0_BA.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_4-2176559-0_BA.2d_dxf.zip

English

3D PDF

3430B2F510KTDF

510K ohm, Surface Mount Power Resistor, Thick Film, 0612, 1.5 W, 1 %, ±100 ppm/°C,
Solder, 2 Terminations, .55 mm [.022 in] Height, CGS 3430



3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Datasheet - CGS 3430 Series

English

Automotive Grade Wide Terminal Chip Resistor - Type 3430 Series

English