

CGS | CGS RLC73

TE Internal #: 2176585-3

.012 Ω , Thick Film, Current Sensing Resistor, 1 %, 2 Termination,

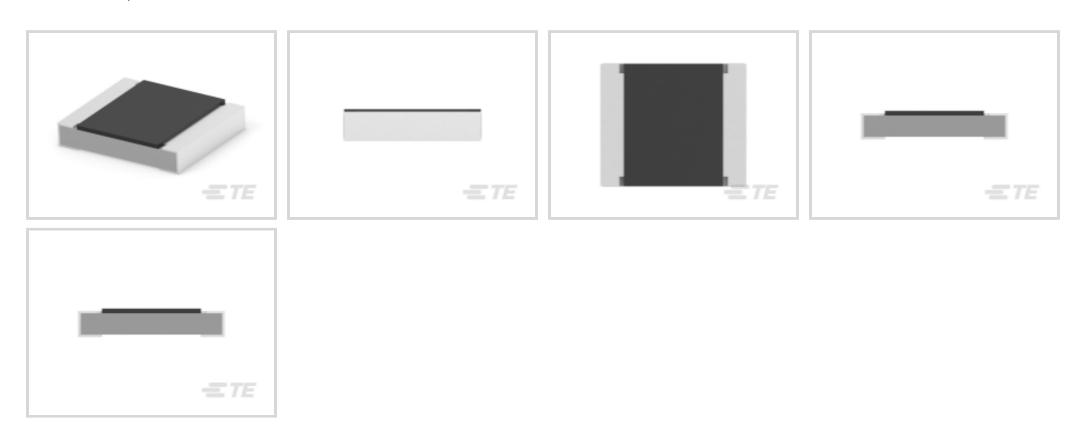
1210, Taped & Reeled, .5 W, ±600 ppm/°C, Solder, 3.1 x 2.6 x .55

mm, CGS RLC73

View on TE.com >



Passive Components > Resistors > Surface Mount Resistors



Resistor Type: Current Sensing Resistor

Number of Terminations: 2
Package Size Code: 1210

Packaging Method: Taped & Reeled
Passive Component Tolerance: 1 %

Surface Mount Resistor Termination Type

Features

Product Type Features

Product TypeFixed ResistorResistor TypeCurrent Sensing ResistorPackage Size Code1210Element TypeThick FilmConfiguration FeaturesNumber of Resistors1Electrical CharacteristicsPassive Component Tolerance1 %Resistance ClassUp to $1k\Omega$ Resistance Value.012 Ω Power Rating.5 WTermination FeaturesNumber of Terminations2		
Package Size Code 1210 Element Type Thick Film Configuration Features 1 Number of Resistors 1 Electrical Characteristics 1 % Passive Component Tolerance 1 % Resistance Class Up to 1kΩ Resistance Value .012 Ω Power Rating .5 W Termination Features	Product Type	Fixed Resistor
Element Type Thick Film Configuration Features Number of Resistors 1 Electrical Characteristics Passive Component Tolerance 1 % Resistance Class Up to $1 \text{k}\Omega$ Resistance Value .012 Ω Power Rating .5 W Termination Features	Resistor Type	Current Sensing Resistor
Configuration Features Number of Resistors 1 Electrical Characteristics Passive Component Tolerance 1 % Resistance Class Up to $1k\Omega$ Resistance Value Power Rating .5 W Termination Features	Package Size Code	1210
Number of Resistors 1 Electrical Characteristics Passive Component Tolerance 1 % Resistance Class Up to $1k\Omega$ Resistance Value .012 Ω Power Rating .5 W Termination Features	Element Type	Thick Film
Electrical Characteristics Passive Component Tolerance 1 % Resistance Class Up to $1k\Omega$ Resistance Value .012 Ω Power Rating .5 W Termination Features	Configuration Features	
Passive Component Tolerance 1 % Resistance Class Up to $1kΩ$ Resistance Value .012 $Ω$ Power Rating .5 W Termination Features	Number of Resistors	1
Resistance Class Up to $1k\Omega$ Resistance Value .012 Ω Power Rating .5 W Termination Features	Electrical Characteristics	
Resistance Value .012 Ω Power Rating .5 W Termination Features	Passive Component Tolerance	1 %
Power Rating .5 W Termination Features	Resistance Class	Up to $1k\Omega$
Termination Features	Resistance Value	.012 Ω
	Power Rating	.5 W
Number of Terminations 2	Termination Features	
	Number of Terminations	2

Solder



Dimensions

Passive Component Dimensions	3.1 x 2.6 x .55 mm
Usage Conditions	
Operating Temperature Range	-55 – 155 °C
Temperature Coefficient	±600 ppm/°C
Packaging Features	
Packaging Method	Taped & Reeled

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	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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

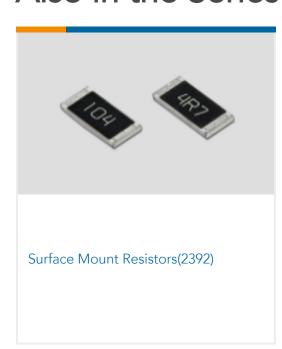
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts





Also in the Series | CGS RLC73



Documents

Product Drawings

RLC73V 2E R012 1% 5K RL

English

CAD Files

Customer View Model

ENG_CVM_CVM_2176585-3_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176585-3_BA.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_2176585-3_BA.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

SMD Low Ohmic - Current Sense Resistors - Type RLC73 Series

English