TLM2HER047JTE ✔ ACTIVE

CGS | CGS TLM

TE Internal #: 2176157-9

.047 ohm, Foil, Current Sensing Resistor, 5 %, 2010, .75 W, ±100 ppm/°C, Solder, 2 Terminations, .55 mm [.022 in] Height, CGS TLM

View on TE.com >

Passive Components > Resistors > Surface Mount Resistors > Metal Chip Resistor: Current Sense

Resistor Type: **Current Sensing Resistor**

Element Type: **Foil**

Package Size Code: **2010**

Power Rating: **.75 W**

Resistance Value: **.047 Ω**

All Metal Chip Resistor: Current Sense (118)

Features

Product Type Features

Resistor Type	Current Sensing Resistor
Element Type	Foil
Package Size Code	2010

Configuration Features

Number of Resistors	1

Electrical Characteristics

Power Rating	.75 W
Resistance Value	.047 Ω
Resistance Class	Up to 1kΩ
Passive Component Tolerance	5 %

Termination Features

Surface Mount Resistor Termination Type	Solder
Number of Terminations	2

Dimensions

Product Height	.55 mm[.022 in]
Product Length	5 mm[.197 in]
Product Width	2.5 mm[.098 in]

Usage Conditions

Temperature Coefficient	±100 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

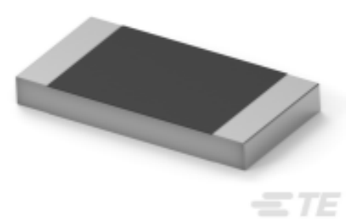
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

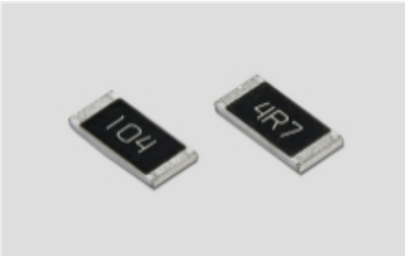
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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



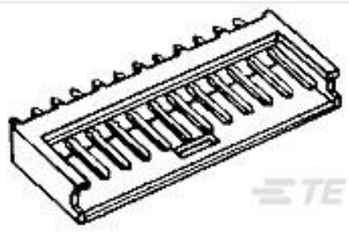
TE Part # CAT-C339-T547A
Metal Chip Resistor: Current Sense

Also in the Series | CGS TLM

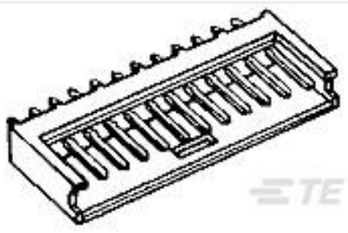


Surface Mount Resistors(143)

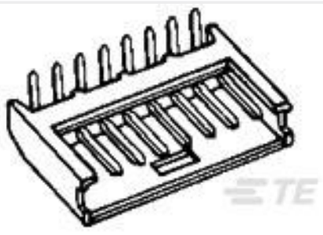
Customers Also Bought



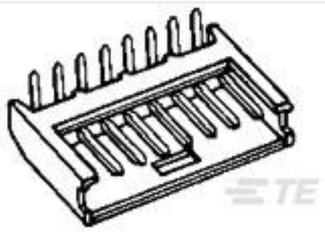
TE Part #280370-1
2P AMPMODU II SHRD HDR, ST, TIN



TE Part #280372-1
6P AMPMODU II SHRD HDR, ST, TIN



TE Part #280377-1
2P AMPMODU II SHRD HDR, RT ANG, TIN



TE Part #280378-1
4P AMPMODU II SHRD HDR, RT ANG, TIN

TE Part #280381-2
10P MODU II SHRD HDR,RT ANG, 0.38 AU

TE Part #280389-2
2X4P MODU II SHRD HDR,RT ANG, 0.38AU

TE Part #3-1614893-9
CPF 0805 31K6 0.1% 25PPM 1K RL

TE Part #4-1623732-9
BCHE 7 W 6K2 5%

TE Part #2176058-9
RLP73M 3A R022 5% 2K RL

TE Part #5120527-1
1FHP,64,30A/S,S,N,S10,12,13,15

Documents

Product Drawings

TLM 2010 0.75W R047 5% 100PPM 4K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2176157-9_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2176157-9_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2176157-9_BA.3d_stp.zip

English

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

Datasheets & Catalog Pages

SMD Current Sense Metal Chip Resistor

English