TLM2HDR051FTE ✔ ACTIVE

CGS | CGS TLM

TE Internal #: 3-2176157-1

.051 ohm, Foil, Current Sensing Resistor, 1 %, 2010, .75 W, ±50 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: **.051 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	.051 Ω
Resistance Class	Up to 1kΩ
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	5 mm[.197 in]
Product Width	2.5 mm[.098 in]

Usage Conditions

Temperature Coefficient	±50 ppm/°C

Packaging Features

Packaging Method	Taped & Reeled

Product Compliance

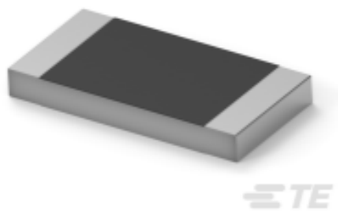
For compliance documentation, visit the product page on TE.com>

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 2023 (235) 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

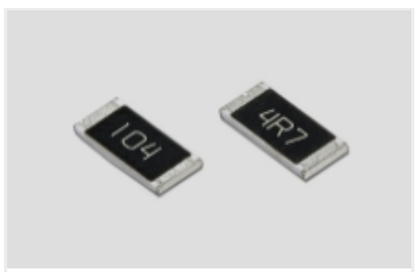
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

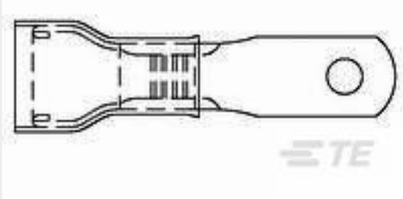
Customers Also Bought



TE Part #CAT-T3437-M8791
MP Metalized Polyester Labels



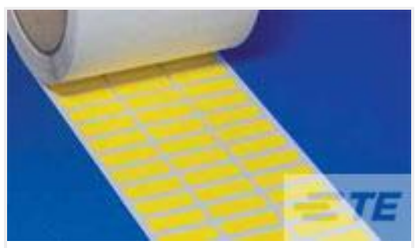
TE Part #1SNK508316R0000
ZS10-SP



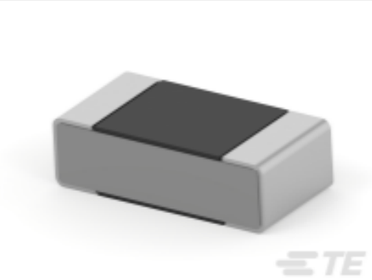
TE Part #130481
TERM, SHEARED RING, PIDG, 12-10, M2.5



TE Part #1614891-7
CPF 0805 73R2 0.1% 25PPM 1K RL



TE Part #9-1768017-6
EET-0825G-4



TE Part #4-1879132-6
RN 0402 26K7 0.1% 10PPM 1K RL



TE Part #3-2176157-7
TLM 2010 0.75W R091 1% 50PPM 4K RL



TE Part #2-2319747-6
TRI-STATE DIP 4P G RECESS SEAL T&R



TE Part #8-1768034-2
LKZ16E

Documents

Product Drawings

TLM 2010 0.75W R051 1% 50PPM 4K RL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_3-2176157-1_BA.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_3-2176157-1_BA.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_3-2176157-1_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