

TSC-109L3H,000

✓ ACTIVE

OEG | OEG Signal PCB Relay TSC

TE Internal #: 1-1419130-8

Signal Relays, 24 VDC Contact Voltage, 120 VAC Contact Voltage, 150mW Coil Power Rating DC, Printed Circuit Board, OEG Signal PCB Relay TSC

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Relays & Contactors > Relays > Signal Relays



Contact Voltage Rating: 24 VDC

Coil Power Rating DC: 150 mW

Isolation (HF Parameter): -20.7dB @ 900MHz, -39dB @ 100MHz

Insertion Loss (HF Parameter): -.02dB @ 100MHz, -.27dB @ 900MHz

Features

Configuration Features

Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	400 Vrms
Contact Limiting Making Current	1 A
Contact Limiting Short-Time Current	1 A
Contact Limiting Continuous Current	1 A
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
Insulation Initial Resistance	1000000 MΩ
Contact Limiting Breaking Current	1 A
Contact Switching Load (Min)	1mA @ 1V
Coil Resistance	540 Ω
Contact Voltage Rating	24 VDC
Coil Power Rating DC	150 mW
Coil Voltage Rating	9 VDC
Contact Current Rating	1 A
Contact Switching Voltage (Max)	30 VDC

Signal Characteristics

Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
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Insertion Loss (HF Parameter)

-0.02dB @ 100MHz, -0.27dB @ 900MHz

Body Features

Product Weight	3 g[.1058 oz]
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Contact Features

Contact Plating Material	AgNi Alloy
Contact Material	Nickel-Titanium Alloy

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	PCB Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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Dimensions

Insulation Clearance Between Contact & Coil	2 mm[.079 in]
Insulation Creepage Between Contact & Coil	1.5 mm[.059 in]
Product Width	7.4 mm[.29 in]
Product Length	12.3 mm[.484 in]
Product Height	9.9 mm[.389 in]

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	80 °C[176 °F]
Operating Temperature Range	-30 – 80 °C

Operation/Application

Actuating System	AC & DC
Solder Process	Wave Solder
Performance Type	Sensitive
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tube
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Other

Length Class (Mechanical)	12 – 14 mm
Environmental Ambient Temperature Class	70 – 85 °C



Height Class (Mechanical)	9 – 10 mm
Coil Power Rating Class	100 – 150 mW
Width Class (Mechanical)	6 – 8 mm
Contact Current Class	0 – 2 A

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 2024 (241) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°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>

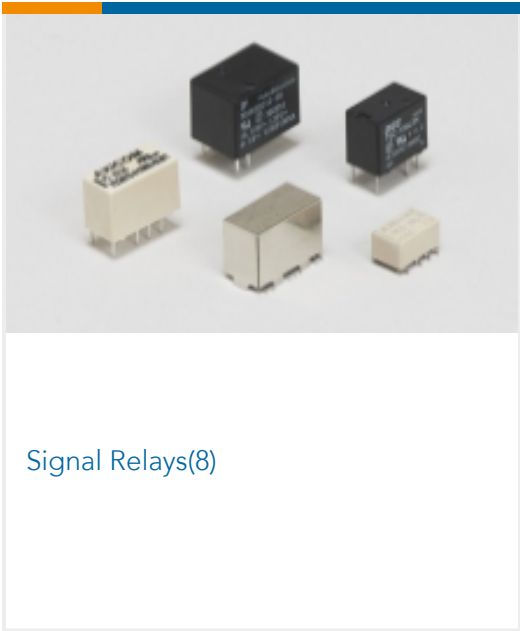
Compatible Parts



Also in the Series | OEG Signal PCB Relay TSC

TSC-109L3H,000

Signal Relays, 24 VDC Contact Voltage, 120 VAC Contact Voltage, 150mW Coil Power
Rating DC, Printed Circuit Board, OEG Signal PCB Relay TSC



Customers Also Bought



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1419130-8_C1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1419130-8_C1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1419130-8_C1.3d_stp.zip

English

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

Datasheets & Catalog Pages

TSC Series Relay Data Sheet -English

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

CQC_CERT_08001026046_C1

English

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