

TSC-109L3H,000

✓ ACTIVE

OEG | OEG Signal PCB Relay TSC

TE Internal #: 1-1419130-8

RF Relay, AC & DC, Monostable, 1 Form C SPDT-CO, 1 A Contact Rating, 9 VDC Coil Voltage, 120 VAC Contact Voltage, OEG Signal PCB Relay TSC

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **RF Relay**
Current Type: **AC & DC**
Coil Magnetic System: **Monostable**
Contact Arrangement: **1 Form C SPDT-CO**
Contact Current Rating: **1 A**

Features

Product Type Features

Relay & Contactor Type	RF Relay
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Configuration Features

Relay Options	RF Rated
Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	1 A
Contact Limiting Making Current	1 A
Contact Limiting Continuous Current	1 A
Contact Limiting Breaking Current	1 A
Insulation Initial Dielectric Between Open Contacts	400 Vrms
Contact Switching Voltage (Max)	120 VAC
Contact Switching Load (Min)	1mA @ 1V
Coil Resistance	540 Ω
Insulation Initial Resistance	1000000 MΩ
Contact Current Rating	1 A
Coil Voltage Rating	9 VDC
Contact Voltage Rating	24 VDC



Coil Power Rating DC	.15 W
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Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms
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Signal Characteristics

Isolation (HF Parameter)	-20.7dB @ 900MHz, -39dB @ 100MHz
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Insertion Loss (HF Parameter)	-.02dB @ 100MHz, -.27dB @ 900MHz
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Body Features

Product Weight	3 g[.1058 oz]
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Enclosure Type	Flux Resistant Automatic Solder Capable & Washable
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Contact Features

Contact Material	AgNi
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Termination Features

Main Termination & Connection Type	Solder Pins
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Coil Termination & Connection Type	Solder Pins
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Mechanical Attachment

Product Mount Type	Board Mount
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Dimensions

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

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

Solder Process	Wave Solder Capable
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Performance Type	Sensitive
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Current Type	AC & DC
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Coil Magnetic System	Monostable
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Packaging Features



Packaging Method	Box & Tube
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Other

Coil Power Rating Class	.1 – .15 W
Contact Current Class	0 – 2 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	9 – 10 mm
Length Class (Mechanical)	12 – 14 mm
Width Class (Mechanical)	6 – 8 mm

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: JAN 2025 (247) 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

TSC-109L3H,000

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Also in the Series | [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](#)

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