# OJ-SH-105LM,000 ✔ ACTIVE

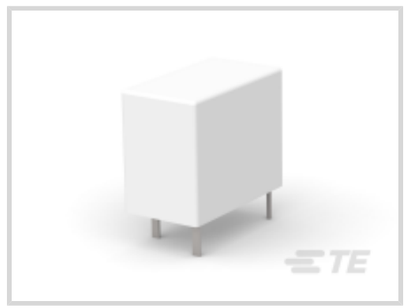
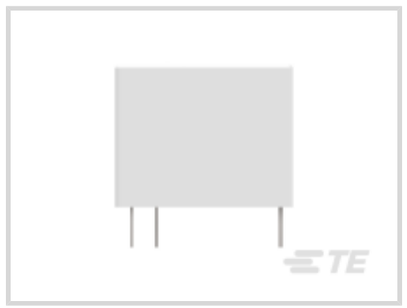
OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461404-1

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 3 A Contact Rating, 5 VDC Coil Voltage, OEG Miniature PCB Relay OJ/OJE

View on TE.com >

Relays & Contactors > Electromechanical Relays > STD OEG Miniature PCB OJ/OJE Pow Relays




Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **3 A**

All STD OEG Miniature PCB OJ/OJE Pow Relays (65)

## Features

### Product Type Features

| | |
|---|---|
| Relay & Contactor Type | General Purpose Power Relay |

### Configuration Features

| | |
|---|---|
| Contact Number of Poles | 1 |
| Coil Special Features | UL Coil Insulation Class E |
| Contact Arrangement | 1 Form A SPST-NO |

### Electrical Characteristics

| | |
|---|---|
| Contact Limiting Short-Time Current | 3 A |
| Contact Limiting Making Current | 3 A |
| Contact Limiting Continuous Current | 3 A |
| Contact Limiting Breaking Current | 3 A |
| Insulation Initial Dielectric Between Open Contacts | 750 Vrms |
| Contact Switching Voltage (Max) | 277 VAC |

| | |
|---|---|
| Contact Switching Load (Min) | 100mA @ 5V |
| Coil Resistance | 125 Ω |
| Contact Current Rating | 3 A |
| Coil Voltage Rating | 5 VDC |
| Contact Voltage Rating | 30 VDC |
| Coil Power Rating DC | .2 W |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

## Body Features

| | |
|---|---|
| Product Weight | 9 g[.318 oz] |
| Enclosure Type | Flux Resistant Automatic Solder Capable & Washable |

## Contact Features

| | |
|---|---|
| Contact Material | AgNi |

## Termination Features

| | |
|---|---|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

## Mechanical Attachment

| | |
|---|---|
| Product Mount Type | Board Mount |

## Dimensions

| | |
|---|---|
| Insulation Clearance Between Contact & Coil | 7.7 mm[.303 in] |
| Insulation Creepage Between Contact & Coil | 9.4 mm[.37 in] |
| Product Width | 10.2 mm[.401 in] |
| Product Length | 18.2 mm[.717 in] |
| Product Height | 14.7 mm[.579 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
| Environmental Category of Protection | RTIII |
| Environmental Ambient Temperature (Max) | 105 °C[221 °F] |

## Operation/Application

| | |
|---|---|
| Coil Magnetic System | Monostable |
| Current Type | DC |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box & Tray, Tray |

### Other

| | |
|---|---|
| Coil Power Rating Class | >.15 – ≤.2 W |
| Contact Current Class | >2 – ≤5 A |
| Height Class (Mechanical) | >14 – ≤16 mm[>.551 – ≤.63 in] |
| Length Class (Mechanical) | >16 – ≤22 mm[>.63 – ≤.866 in] |
| Width Class (Mechanical) | >7 – ≤11 mm[>.276 – ≤.433 in] |

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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



TE Part # CAT-OE4-OJ1
STD OEG Miniature PCB OJ/OJE Pow Relays

## Also in the Series | OEG Miniature PCB Relay OJ/OJE



DC Relays(67)



Electromechanical Relays(67)

## Customers Also Bought



TE Part #11026275-00
DT1-028K N/TH N/HOLE



TE Part #CONSMA001-SMD-G
SMA Jack 50 Ohm PCB Surface Mount



TE Part #CAT-FSS0012
Fuel/Oil Flow Switch, Male, 3/8 BSP




TE Part #1005940-1
LDTC - Vertical



TE Part #800043-SF
FN2010-1-06



TE Part #770156-3
4P CMNL IDC PLUG 18AWG ORG V2



TE Part #1241050-8
2x8P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part #2-1415899-3
RZ03-1C4-D024



TE Part #1-2176082-2
EP 3W (S) 680R 5%



TE Part #2314876-2
2P,2MM,BB,REC,SRVT,2.7,0.1AU,TUBE

# Documents

## Product Drawings

OJ-SH-105LM,000

English

## CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_1461404-1_C2.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_1461404-1_C2.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_1461404-1_C2.3d_stp.zip

English

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

## Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

## Product Specifications

OJ-SH-105LM,000 Spec Sheet

Japanese

Definitions General Purpose Relays

English

## Agency Approvals

VDE Certificate

English