

OJE-SH-105HM,000

✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

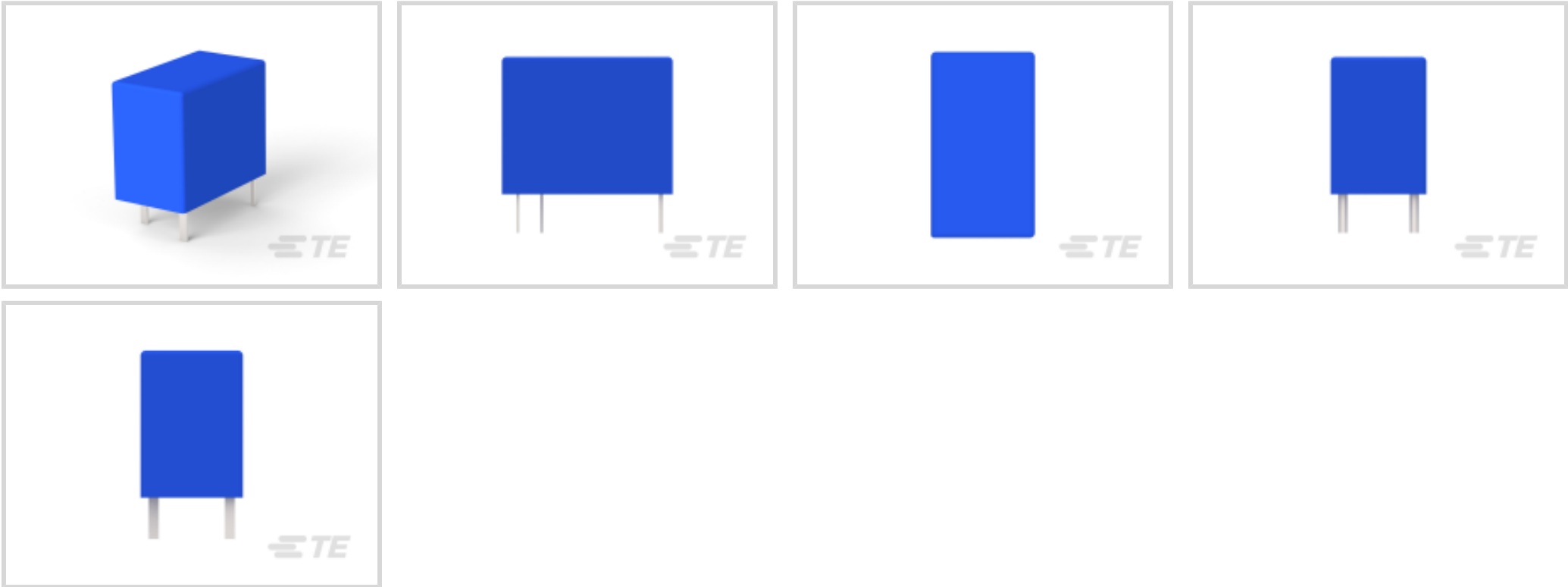
TE Internal #: 1461402-4

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 10 A Contact Rating, 5 VDC Coil Voltage, OEG Miniature PCB Relay OJ/OJE

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



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **10 A**

[All STD OEG Miniature PCB OJ/OJE Pow Relays \(65\)](#)

Features

Contact Features

|                  |          |
|------------------|----------|
| Contact Material | Ag Alloy |
|------------------|----------|

Dimensions

|   |                  |
|---|------------------|
| Insulation Clearance Between Contact & Coil | 3.2 mm[.129 in]  |
| Insulation Creepage Between Contact & Coil  | 3.6 mm[.141 in]  |
| Product Width                               | 10.2 mm[.401 in] |
| Product Length                              | 18.2 mm[.716 in] |
| Product Height                              | 14.7 mm[.58 in]  |

Packaging Features

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

Other

|                         |           |
|-------------------------|-----------|
| Coil Power Rating Class | .4 – .5 W |
| Contact Current Class   | 16 A      |



|   |                           |
|---|---------------------------|
| Environmental Ambient Temperature Class | 50 – 70 °C                |
| Height Class (Mechanical)               | 14 – 15 mm                |
| Length Class (Mechanical)               | 16 – 20 mm                |
| Width Class (Mechanical)                | 10 – 12 mm                |
| EU RoHS Compliance                      | Compliant with Exemptions |
| EU ELV Compliance                       | Compliant                 |

Usage Conditions

|   |               |
|---|---------------|
| Environmental Category of Protection    | RTIII         |
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |

Body Features

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

Electrical Characteristics

|   |            |
|---|------------|
| Contact Limiting Short-Time Current                   | 10 A       |
| Contact Limiting Making Current                       | 10 A       |
| Contact Limiting Continuous Current                   | 10 A       |
| Contact Limiting Breaking Current                     | 10 A       |
| Insulation Initial Dielectric Between Open Contacts   | 750 Vrms   |
| Contact Switching Voltage (Max)                       | 277 VAC    |
| Contact Switching Load (Min)                          | 100mA @ 5V |
| Coil Resistance                                       | 56 Ω       |
| Contact Current Rating                                | 10 A       |
| Coil Voltage Rating                                   | 5 VDC      |
| Contact Voltage Rating                                | 30 VDC     |
| Coil Power Rating DC                                  | .45 W      |
| Insulation Initial Dielectric Between Contacts & Coil | 3000 Vrms  |

Configuration Features

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

Product Type Features

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



Operation/Application

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

Termination Features

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

Mechanical Attachment

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

Product Compliance

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

|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Cadmium oxide (5.91% in Component Part)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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)

General Purpose Power Relays(67)

PCB Relays(67)

Customers Also Bought

TE Part #1623728-2  
BCHE 11 W 10K 5%

TE Part #1676473-2  
RN 0805 9K31 0.1% 10PPM 1KRL

TE Part #3-1879494-7  
CRGH0603 5% 33R 0.2W

TE Part #173797-E  
IDCCS SMC 1,27 26 \* AU AUI 200 PVC

TE Part #839033-E  
IDCCS SRC 1,27 4 \* AFU AFU 300 PVC

TE Part #167618-E  
IDCCS SMC 1,27 80 \* AU AUI 50 PVC

TE Part #839080-E  
IDCCS SRC 1,27 8 \* SPX SPX 300 HF

TE Part #839878-E  
IDCCS SRC 1,27 8 \* SFX SFX 640 PVC

TE Part #839918-E  
IDCCS SRC 1,27 8 \* SFX SFX 590 PVC

TE Part #846029-E  
IDCCS SRC 1,27 8 \* SFX SFX 815 PVC



Documents

Product Drawings

OJE-SH-105HM,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1461402-4\_B3.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1461402-4\_B3.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1461402-4\_B3.3d\_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

Product Specification

Japanese

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English