

OJE-SH-112HM,000 ✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

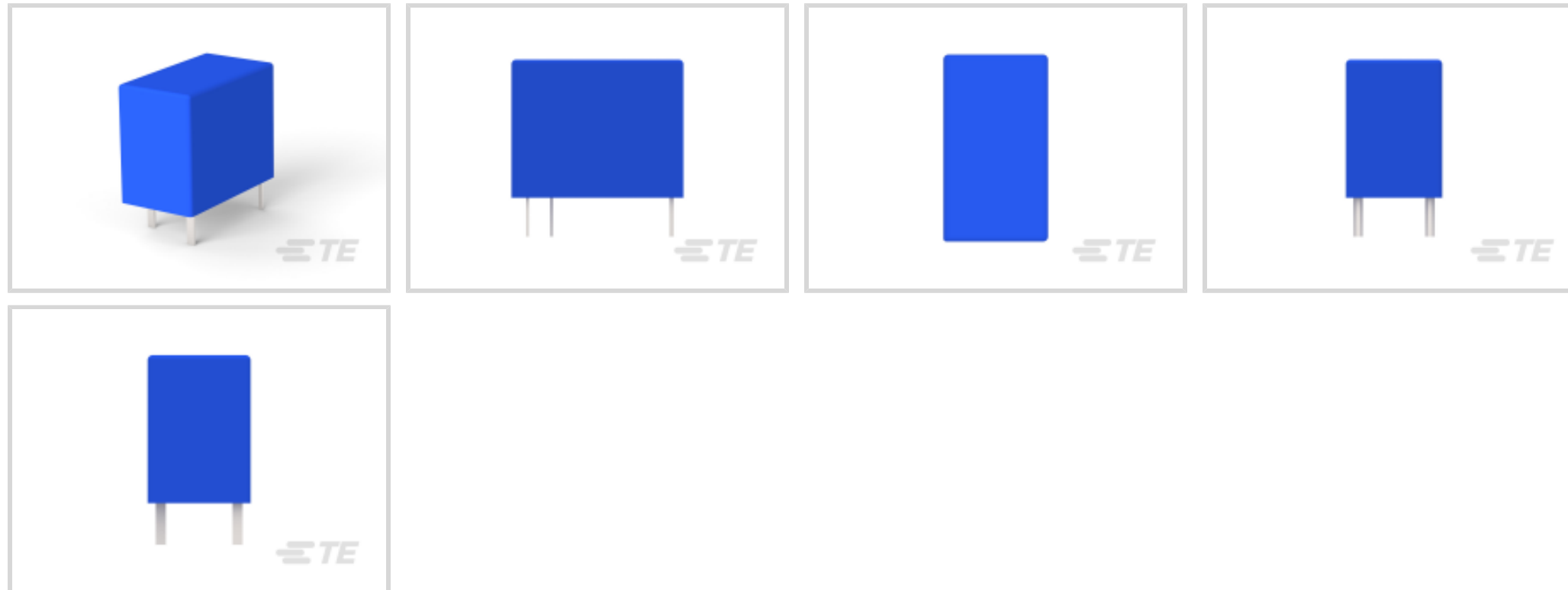
TE Internal #: 1461402-6

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 10 A Contact Rating, 12 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**

Coil Magnetic System: **Monostable**

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

Current Type: **DC**

Contact Current Rating: **10 A**

[All STD OEG Miniature PCB OJ/OJE Pow Relays \(63\)](#)

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 | 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 | 320 Ω |
| Contact Current Rating | 10 A |
| Coil Voltage Rating | 12 VDC |
| Contact Voltage Rating | 30 VDC |
| Coil Power Rating DC | .45 W |
| Insulation Initial Dielectric Between Contacts & Coil | 3000 Vrms |

Body Features

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

Contact Features

| | |
|------------------|----------------------|
| Contact Material | Silver Cadmium Oxide |
|------------------|----------------------|

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 | 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[.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 | >.3 – ≤.6 W |
| Contact Current Class | >5 – ≤10 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 with Exemptions |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Cadmium oxide (5.91% in 4735356691) Article Safe Usage Statements: 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(65)



Electromechanical Relays(65)

Customers Also Bought



TE Part #6-102203-1
14 MODII HDR SRRA SHRD LF



TE Part #6-103735-9
20 MTE HDR SRST LATCH .100CL



TE Part #2-1445084-9
micro mnl hdr assy s/row au lf



TE Part #2-1676480-7
CRG0402 1% 1K6



TE Part #1-2176305-5
RP 1E 0.1W 150R 0.1% 25PPM 5K RL



TE Part #2337228-1
TACT ULTRA JB 3.0X2.6X0.65 100GF



TE Part #CAT-AM74-UN384H
AMP-LATCH UNIVERSAL HEADERS



TE Part #5535651-1
68 MEM CARD HDR STD SMT TOP



TE Part #6318384-5
025 40POS CAP ASSY H AU



Documents

Product Drawings

[OJE-SH-112HM,000](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1461402-6_B3.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1461402-6_B3.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1461402-6_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