

# OJE-SH-105HM,000 ✓ ACTIVE



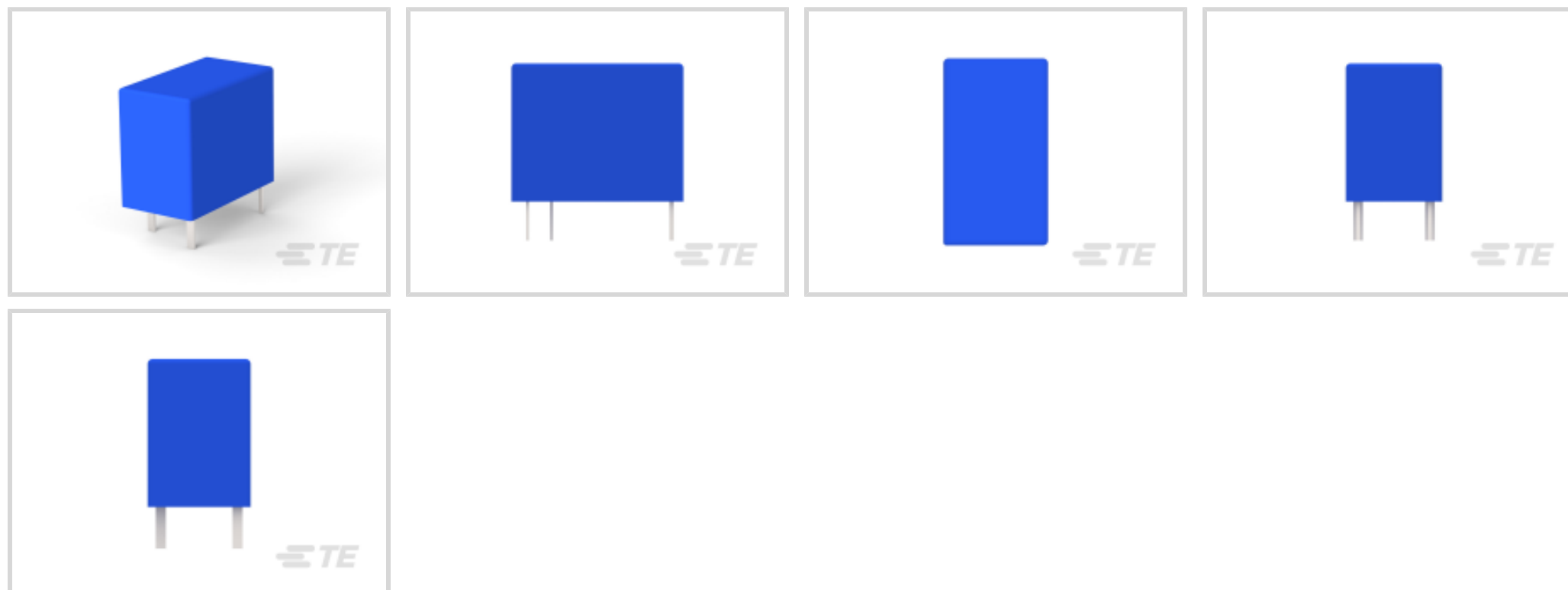
OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461402-4

OEG Miniature PCB Relay OJ/OJE, Power Relays, Standard, Monostable, DC, 400 – 500mW Coil Power Rating Class, 450mW Coil Power Rating DC

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Power Relays > STD OEG Miniature PCB OJ/OJE Pow Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **400 – 500 mW**

Coil Power Rating DC: **450 mW**

Coil Resistance: **56 Ω**

[All STD OEG Miniature PCB OJ/OJE Pow Relays \(91\)](#)

## Features

### Product Type Features

Power Relay Type	Standard
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### Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	2500 – 3000 V
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms
Insulation Creepage Between Contact & Coil	3.6 mm [.141 in]
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	400 – 500 mW

Coil Power Rating DC	450 mW
Coil Resistance	56 $\Omega$
Coil Special Features	UL Coil Insulation Class E
Coil Voltage Rating	5 VDC
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

### Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	9 g[.318 oz]

### Contact Features

Contact Arrangement	1 Form A (NO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	10 A
Contact Material	Ag Alloy
Contact Number of Poles	1
Terminal Type	PCB-THT

### Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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### Dimensions

Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Class	0 – 2.5 mm
Height Class (Mechanical)	14 – 15 mm
Insulation Clearance Between Contact & Coil	3.2 mm[.129 in]
Width Class (Mechanical)	10 – 12 mm
Product Width	10.2 mm[.4 in]
Product Length	18.2 mm[.717 in]
Product Height	14.7 mm[.579 in]

### Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
Environmental Ambient Temperature (Max)	70 °C[158 °F]

### Packaging Features



Packaging Method	Box & Tray, Tray
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### 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 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: JAN 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

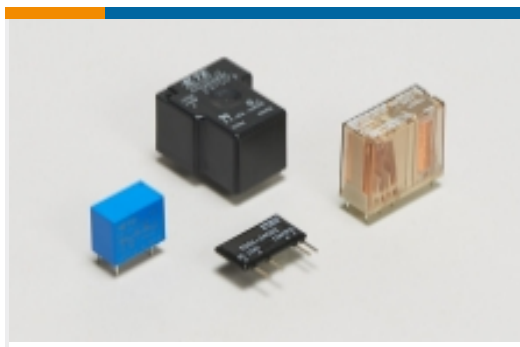
#### Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts

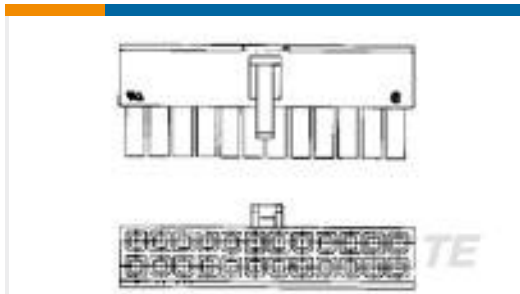


Also in the Series | [OEG Miniature PCB Relay OJ/OJE](#)



Power Relays(93)

## Customers Also Bought



TE Part #1-794954-0  
10P RCPT VAL-U-LOK V2



TE Part #1-2176217-8  
CPF A 0805 82R 0.1% 25PPM 1K RL



TE Part #1-2176186-9  
CRGH1206 1% 3K9 0.5W



TE Part #1-1721150-0  
ORWH 10 AMP PCB RELAY



TE Part #1337771-4  
50 OHM COAX BNC STR PLUG STR P



TE Part #1337773-1  
50/OHM COAX BNC ELB PLUG ELB P



TE Part #1337808-2  
50 OHM COAX SMA STR PLUG STR P



TE Part #1-2825261-0  
10P VAL-U-LOK HCS VRT HDR W/P V0



TE Part #D24019-000  
WP WHITE POLYESTER LABELS



TE Part #1-1634200-2  
PREDD1-07F-BB0DW

## 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.

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## Datasheets & Catalog Pages

[OJ\\_OJE Series Relay Data Sheet English](#)

English

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## Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

[Product Specification](#)

Japanese