

OJ-SH-112DM,000

✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

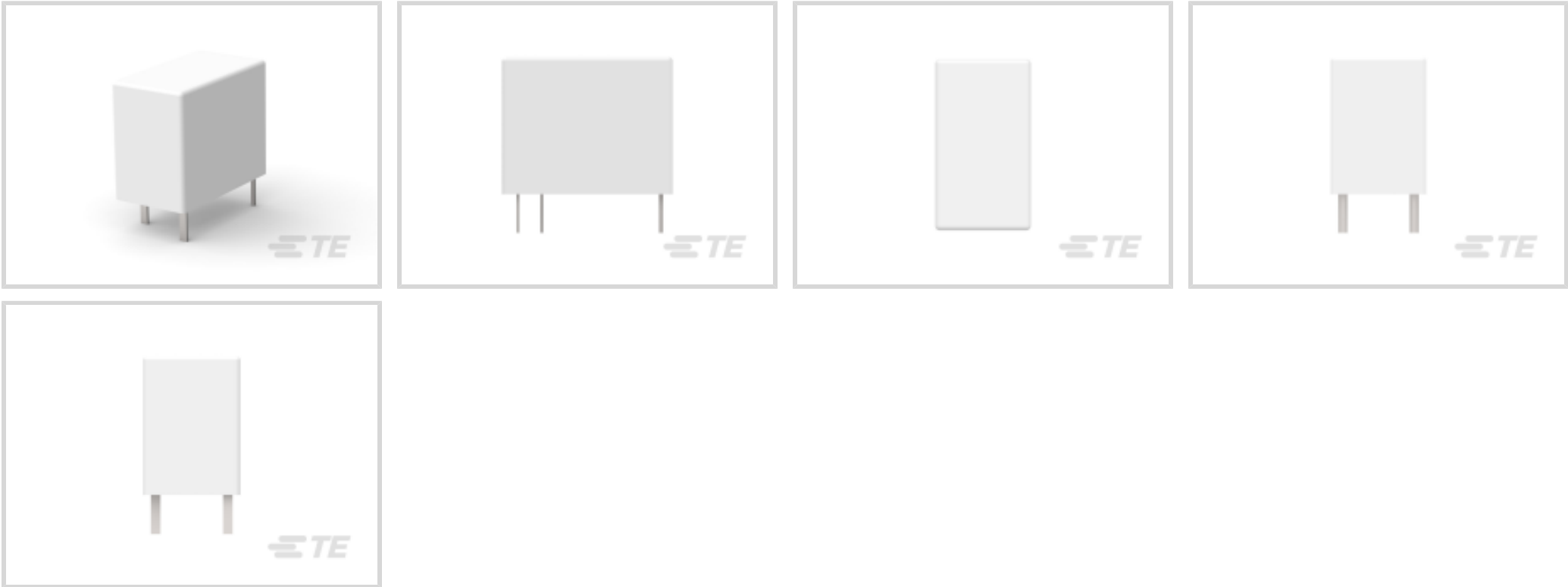
TE Internal #: 1461406-4

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 5 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: **5 A**

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

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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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	5 A
Contact Limiting Continuous Current	5 A
Contact Switching Voltage (Max)	30 VDC
Contact Switching Load (Min)	100mA @ 5V
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	5 A



Contact Limiting Breaking Current	5 A
Coil Resistance	320 Ω
Contact Current Rating	5 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.45 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Body Features

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

Contact Features

Contact Material	AgNi
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Termination Features

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

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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[.716 in]
Product Height	14.7 mm[.58 in]

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Box & Tray, Tray
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Other



Environmental Ambient Temperature Class	70 – 85 °C
Coil Power Rating Class	.4 – .5 W
Contact Current Class	16 A
Height Class (Mechanical)	14 – 15 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	10 – 12 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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

Electromechanical Relays(67)

Customers Also Bought

TE Part #2170129-1
Recpt RJ.5 W/O MAG, 1X2 OFFSET

TE Part #5650860-5
ASSEMBLY,RECEPTACLE,EUROCARD, T

TE Part #2-1445093-4
MICRO MNL HDR ASSY S/ROW AU LF

TE Part #2-1393194-7
T77V1D3-24

TE Part #5-1625892-4
3W SM M/OX 5% 47R

TE Part #2-1445084-3
micro mnl hdr assy s/row au lf

TE Part #2-1649329-1
RTE44009

TE Part #8-1879276-0
RP 2A 10K5 0.1% 15PPM 1K RL

TE Part #6450552-7
MBXL VERT RCPT 3ACP+4P+24S

TE Part #384344-E
STVC 96 M ABC VVW 4-00 0606 * VN17 247 E



Documents

Product Drawings

OJ-SH-112DM,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1461406-4_C2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1461406-4_C2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461406-4_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-112DM,000 Spec Sheet

Japanese

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English