OJE-SH-112HM,000 V ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461402-6

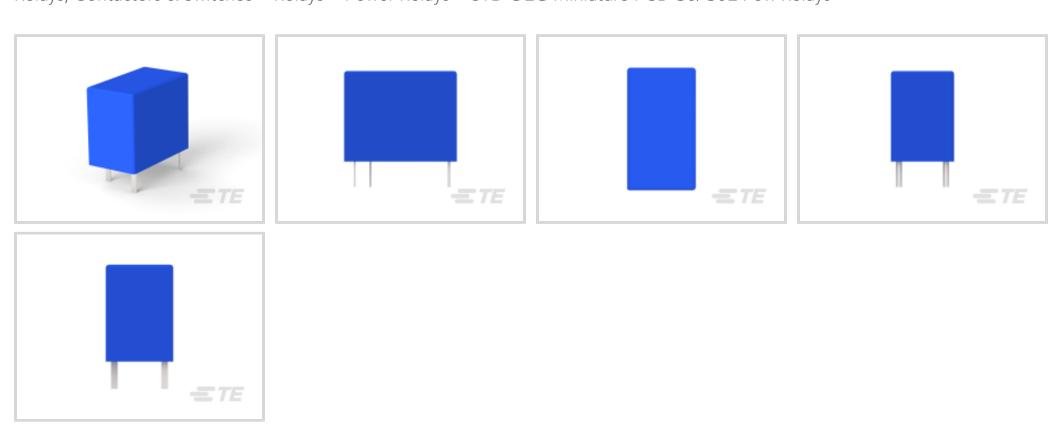
Power Relays, Standard, Monostable, DC, 450 mW Coil Power Rating DC, 320 Ω Coil Resistance, UL Coil Insulation Class E, OEG

Miniature PCB Relay OJ/OJE

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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: 320Ω

All STD OEG Miniature PCB OJ/OJE Pow Relays (73)

Features

Product Type Features

Power Relay Type	Standard
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



Insulation Special Features Product Weight Product Weight Product Arrangement Contact Features Contact Arrangement Contact Current Class Contact Current Rating (Max) Contact Material Contact Number of Poles Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Length Product Length Product Leight Usage Conditions Environmental Ambient Temperature (Max) Product		
Coil Special Features UL Coil Insulation Class E Coil Voltage Rating 12 VDC Contact Switching Load (Min) 100mA ⊕ 5W Contact Switching Voltage (Max) 30 VDC Contact Voltage Rating 30 VDC Body Features Tracking Index of Relay Base PTI250 Product Weight 9 g(318 ez) Contact Features Tracking Index of Relay Base PTI250 Contact Features 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Current Rating (Max) 10 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Printed Circuit Board Dimensions 1 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(.120 in) Width Class (Mechanical) 10 – 12 mm Product Length 18.2 mm(.717 in) Product Length 18.2 mm(.717 in)	Coil Power Rating DC	450 mW
12 VDC	Coil Resistance	320 Ω
Contact Switching Load (Min) 100mA @ 5V Contact Switching Voltage (Max) 30 VDC Body Features Tradding Index of Relay Base PTI250 Product Weight 9 gl,318 ozl Contact Arrangement 1 Form A (NO) Contact Current Class 5 − 10 A, 16 A Contact Material AgCdO Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type Potential Circuit Board Mechanical Attachment Printed Circuit Board Dimensions 16 − 20 mm 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[.122 in] Width Class (Mechanical) 10 − 12 mm Product Width 10.2 mm[.4 in] Product Length 18.2 mm[.717 in] Product Length 14.7 mm[.579 in] Length Class (Mechanical) 10 − 12 mm Product Length 18.2 mm[.717 in] Product Length 14.7 mm[.579 in]	Coil Special Features	UL Coil Insulation Class E
Contact Switching Voltage (Max) 30 VDC Body Features 30 VDC Insulation Special Features Tracking Index of Relay Base PTI250 Product Weight 9 g[318 oz] Contact Features From A (NO) Contact Arrangement 1 Form A (NO) Contact Gurrent Class 5 – 10 A, 16 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Wechanical Attachment PCB-THT Relay Mounting Type Printed Circuit Board Directions (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 14.7 mm(.579 in) Usage Conditions 50 – 70 °C Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature Class 50 – 70 °C	Coil Voltage Rating	12 VDC
Contact Voltage Rating Body Features Insulation Special Features Product Weight Contact Features Contact Features Contact Features Contact Current Class Contact Current Rating (Max) Contact Material Contact Material Contact Number of Poles Relay Terminal Type Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clarance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Length Product Length Product Length Product Height Disage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) Product Temperature Class Fig. 70 °C (158 °F]	Contact Switching Load (Min)	100mA @ 5V
Insulation Special Features 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 Number of Poles 1 Relay Terminal Type PCB-THT Wechanical Attachment Relay Mounting Type Printed Circuit Board Contact 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 19 Product Length 18,2 mm[171 in] Product Length 18,2 mm[171 in] Product Height Using Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C (158 °F]	Contact Switching Voltage (Max)	30 VDC
Insulation Special Features Product Weight Product Weight Product Arrangement Contact Features Contact Arrangement Contact Current Class Contact Current Rating (Max) Contact Material Contact Number of Poles Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Length Product Length Product Leight Usage Conditions Environmental Ambient Temperature (Max) Product	Contact Voltage Rating	30 VDC
Product Weight Contact Features Contact Arrangement 1 Form A (NO) Contact Current Class 5 - 10 A, 16 A Contact Current Rating (Max) 10 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) 16 - 20 mm Insulation Clearance Class 0 - 2.5 mm Ileight Class (Mechanical) 14 - 15 mm Insulation Clearance Between Contact & Coil 3.2 mm[.129 in] Width Class (Mechanical) 10 - 12 mm Product Length 18.2 mm[.717 in] Product Height 14.7 mm[.579 in] Jeage Conditions Environmental Ambient Temperature (Max) 70 °C[158 °F]	Body Features	
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Contact Arrangement 1 Form A (NO) Contact Current Class 5 - 10 A, 16 A Contact Current Rating (Max) 10 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board 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 Perioduct Unith Product Length 18.2 mm [.717 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]	Product Weight	9 g[.318 oz]
Contact Current Class Contact Current Rating (Max) Contact Material Contact Number of Poles Contact Number of Poles Relay Terminal Type Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) 10 – 12 mm Product Width Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) 5 – 10 A, 16 A AgCIO	Contact Features	
Contact Current Rating (Max) Contact Material Contact Number of Poles Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature Class For Toman Agents 10 A AgCdO AgCdO AgCdO PCB-THT Agents 16 - 20 THT Printed Circuit Board Printed Circuit Board Printed Circuit Board 16 - 20 Tmm 16 - 20 Tmm 17 - 20 Tmm 18 - 20 Tmm 19 - 2.5 Tmm 10 - 12 Tmm 10 - 12 Tmm 10 - 12 Tmm 10 - 12 Tmm 11 - 12 Tmm 11 - 12 Tmm 12 - 12 Tmm 13 - 14 Tmm[.579 in] 14 - 15 Tmm 15 - 20 Tmm[.4 in] 16 - 20 Tmm 17 in] 18 - 20 Tmm 18 - 20 Tmm 19 in] 19 in] 10 - 12 Tmm 10 - 12 Tmm	Contact Arrangement	1 Form A (NO)
Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board 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 Length 14.7 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C[158 °F]	Contact Current Class	5 – 10 A, 16 A
Contact Number of Poles Relay Terminal Type Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Insulation Clearance Between Contact & Coil Insulation Clearance	Contact Current Rating (Max)	10 A
Relay Terminal Type Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 – 12 mm Product Width 10.2 mm[.4 in] Product Length Product Height Jaage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) Product Mechanical Printed Class FI	Contact Material	AgCdO
Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class O – 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 Product Length 14.7 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C[158 °F]	Contact Number of Poles	1
Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class 0 - 2.5 mm Height Class (Mechanical) Insulation Clearance Between Contact & Coil Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 - 12 mm Product Width 10.2 mm[.4 in] Product Length Product Height Jaage Conditions Environmental Ambient Temperature Class For C[158 °F]	Relay Terminal Type	PCB-THT
Dimensions Length Class (Mechanical) Insulation Clearance Class O – 2.5 mm Height Class (Mechanical) Insulation Clearance Between Contact & Coil Insulation Clearance Between Contact & Coil Width Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Insulation Clearance Between Contact & Coil Insulation Clearance Cleas Insulation Insulat	Mechanical Attachment	
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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]	Dimensions	
Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Length Product Length Product Height Jage Conditions Environmental Ambient Temperature (Max) 14 – 15 mm 10 – 12 mm 10 – 12 mm 10.2 mm[.4 in] 18.2 mm[.717 in] 14.7 mm[.579 in] 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C[158 °F]	Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10.2 mm[.4 in] Product Length 18.2 mm[.717 in] Product Height Jsage Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 3.2 mm[.129 in] 10 – 12 mm 14.7 mm[.579 in] 70 °C[158 °F]	Insulation Clearance Class	0 – 2.5 mm
Width Class (Mechanical) Product Width 10.2 mm[.4 in] Product Length 18.2 mm[.717 in] Product Height Jsage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 70 °C[158 °F]	Height Class (Mechanical)	14 – 15 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]	Insulation Clearance Between Contact & Coil	3.2 mm[.129 in]
Product Length Product Height Jsage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) To °C[158 °F]	Width Class (Mechanical)	10 – 12 mm
Product Height Jsage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) To °C[158 °F]	Product Width	10.2 mm[.4 in]
Usage Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C[158 °F]	Product Length	18.2 mm[.717 in]
Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C[158 °F]	Product Height	14.7 mm[.579 in]
Environmental Ambient Temperature (Max) 70 °C[158 °F]	Usage Conditions	
	Environmental Ambient Temperature Class	50 – 70 °C
Packaging Features	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	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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Cadmium oxide (5.91% in Component Part) 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



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





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

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

Japanese