OJE-SH-112LM,000 ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461401-5

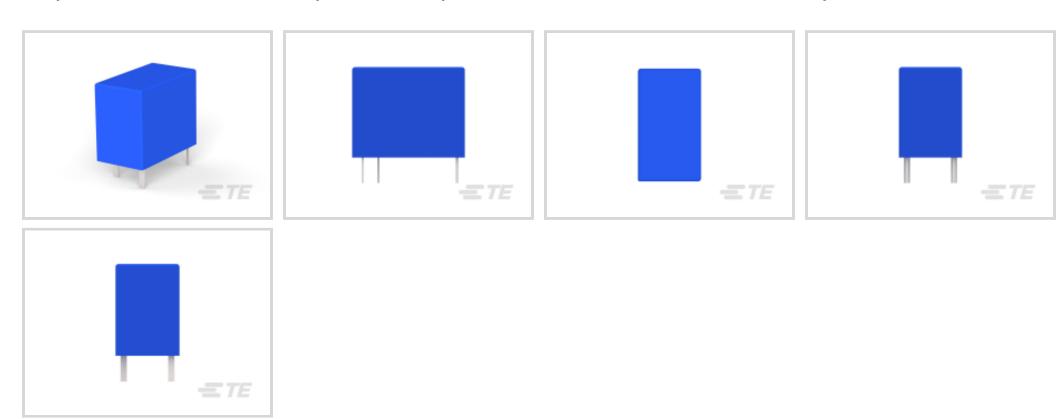
Power Relays, Standard, Monostable, DC, 200 mW Coil Power Rating DC, 720 Ω Coil Resistance, UL Coil Insulation Class E, OEG

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 DC: 200 mW

Coil Resistance: 720Ω

Coil Special Features: UL Coil Insulation Class E

All STD OEG Miniature PCB OJ/OJE Pow Relays (65)

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 | 3 A |
| Contact Limiting Short-Time Current | 3 A |
| Contact Limiting Continuous Current | 3 A |
| Insulation Creepage Class | 3 – 5.5 mm |
| Coil Power Rating Class | 150 – 200 mW |
| Insulation Initial Dielectric Between Contacts & Coil | 3000 Vrms |
| Insulation Creepage Between Contact & Coil | 3.6 mm[.141 in] |
| Contact Limiting Breaking Current | 3 A |
| Coil Magnetic System | Monostable, DC |



| Insulation Special Features Tracking Index of Relay Base PTI2SO Product Weight 9 gl.318 o²] Contact Features Contact Features Contact Current Class 2 – 5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNi Contact Number of Poles 1 Relay Terminal Type PCB.THT Mechanical Attachment Printed Circuit Board Dimensions 16 – 20 mm Insulation Cloarance Class 0 – 2.5 mm Height Class (Mechanical) 14 – 15 mm Insulation Cloarance Between Contact & Coil 3.2 mm, 129 in Width Class (Mechanical) 10 – 12 mm Product Width 10.2 mm, 4 in Product Width 10.2 mm, 579 in Product Length 14.7 mm, 579 in Usage Conditions Environmental Ambient Temperature Class 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C (194 °F) | | |
|--|---|-------------------------------------|
| Coil Special Features UF Coil Insulation Class F Coil Voltage Rating 12 VDC Contact Switching Load (Min) 100mA ® 5V Contact Switching Voltage (Max) 30 VDC Contact Voltage Rating 30 VDC Body Features Tracking Index of Relay Base PTI250 Product Weight 9 gl.318 ozl Contact Features Tracking Index of Relay Base PTI250 Contact Features 1 Form A (NO) Contact Current Class 2 5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNI Contact Material AgNI Contact Number of Poles 1 Relay Terminal Type Printed Circuit Board Mechanical Attachment Printed Circuit Board Mechanical Attachment 16 – 20 mm Insulation Clearance Class 0 – 2.5 mm Ineight Class (Mechanical) 14 – 15 mm Insulation Clearance Between Contact & Coil 3.2 mm(.129 in) Wroth Class (Mechanical) 10 – 12 mm Product Width 10.2 mm(.4 in) Product Length 18.2 mm(.717 in) <td>Coil Power Rating DC</td> <td>200 mW</td> | Coil Power Rating DC | 200 mW |
| Contact Switching Load (Min) 100mA @ 5V | Coil Resistance | 720 Ω |
| Contact Switching Load (Min) 100mA @ 5V Contact Switching Voltage (Max) 30 VDC Body Features Tradding Index of Relay Base PTIPSO Product Weight 9 gl.318 ozl Contact Arrangement 1 Form A (NO) Contact Current Class 2 – 5 A, 16 A Contact Material AgNI Contact Material AgNI Contact Number of Poles 1 Relay Terminal Type Potential Circuit Board Mechanical Attachment Printed Circuit Board Promesions 16 – 20 mm Insulation Clearance Class 0 – 2.5 mm Height Class (Mechanical) 14 – 15 mm Insulation Clearance Between Contact & Coil 3.2 mm (.127 in) Width Class (Mechanical) 10 – 12 mm Product Width 10.2 mm (4 in) Product Height 14.7 mm (.579 in) Product Height 14.7 mm (.579 in) Product Height 1.5 mm Product Height 1.5 mm (.717 in) Product Length 1.5 mm (.717 in) Product Height 2.7 mm (.717 in) Product Hei | Coil Special Features | UL Coil Insulation Class E |
| Contact Switching Voltage (Mex) Contact Voltage Rating 30 VDC Contact Voltage Rating Contact Switching Special Features Product Weight Contact Features Contact Arrangement Contact Current Class Contact Current Rating (Max) Contact Material Contact Material Contact Number of Poles Relay Herminal Type PCB-IIII Wechanical 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 Lengt | Coil Voltage Rating | 12 VDC |
| Contact Voltage Rating Body Features Insolation 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 Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Height Disage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) Product Memory Brain Ambient Temperature (Max) Product Memory Product Memory Product Play Insulation Clearance Brain Ambient Temperature (Max) Brain Ambient Temperature Brain Ambient Temperature Brain Ambient Tempe | Contact Switching Load (Min) | 100mA @ 5V |
| Insulation Special Features Product Weight 9 g.318 oz] Contact Features Contact Features Contact Current Class Contact Current Rating (Max) Contact Material Ambient Temperature (Max) Disage Conditions Tracking Index of Relay Base PTI/250 Product Weight 9 g.318 oz] Tracking Index of Relay Base PTI/250 Policy Special Features Tracking Index of Relay Base PTI/250 Policy Special Features Tracking Index of Relay Base PTI/250 Policy Special Features 1 Form A (NO) 2 - 5 A, 16 A Contact Current Rating (Max) AgNi Contact Number of Poles 1 AgNi Contact Number of Poles 1 Policy Terminal Type Poles THT Wechanical Attachment Relay Mounting Type Printed Circuit Board Printed Circuit Board Printed Circuit Board Directions 16 - 20 mm 18 - 25 mm 14 - 15 mm Insulation Clearance Class 10 - 25 mm 14 - 15 mm Insulation Clearance Between Contact & Coil 10 - 12 mm Product Class (Mechanical) 11 - 12 mm Product Width 10 - 12 mm Product Length 11 - 12 mm Product Length 12 mm[.717 in] Product Length 13 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class 85 - 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °F] | Contact Switching Voltage (Max) | 30 VDC |
| Insulation Special Features Tracking Index of Relay Base PTI2SO Product Weight 9 gl.318 o²] Contact Features Contact Features Contact Current Class 2 – 5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNi Contact Number of Poles 1 Relay Terminal Type PCB.THT Mechanical Attachment Printed Circuit Board Dimensions 16 – 20 mm Insulation Cloarance Class 0 – 2.5 mm Height Class (Mechanical) 14 – 15 mm Insulation Cloarance Between Contact & Coil 3.2 mm, 129 in Width Class (Mechanical) 10 – 12 mm Product Width 10.2 mm, 4 in Product Width 10.2 mm, 579 in Product Length 14.7 mm, 579 in Usage Conditions Environmental Ambient Temperature Class 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C (194 °F) | Contact Voltage Rating | 30 VDC |
| Product Weight Contact Features Contact Arrangement 1 Form A (NO) Contact Current Class 2 -5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNi 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 Height 14.7 mm[.579 in] Usage Conditions Environmental Ambient Temperature (Max) 90 °C[194 °F] | Body Features | |
| Contact Arrangement 1 Form A (NO) Contact Current Class 2–5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNi 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 Length 19.2 mm[.717 in] Product Length 19.2 mm[.717 in] Product Height 19.3 mm[.579 in] Usage Conditions Environmental Ambient Temperature (Max) 90 °C[194 °F] | Insulation Special Features | Tracking Index of Relay Base PTI250 |
| Contact Arrangement 1 Form A (NO) Contact Current Class 2-5 A, 16 A Contact Current Rating (Max) 3 A Contact Material AgNi 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 (.41 in) Product Length 18.2 mm (.717 in) Product Height 14.7 mm (.579 in) Usage Conditions Environmental Ambient Temperature (Max) 90 °C(194 °F) | Product Weight | 9 g[.318 oz] |
| Contact Current Class Contact Current Rating (Max) 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 Clearance Between Contact & Coil Width Class (Mechanical) 10 – 12 mm Product Width Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) 2 – 5 A, 16 A AgNi Agn | 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) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Length Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature Class 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °F] | Contact Arrangement | 1 Form A (NO) |
| Contact Material AgNi 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 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °F] | Contact Current Class | 2 – 5 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 Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) 10 – 12 mm Product Width Product Width 10.2 mm[.129 in] Product Length Product Height Jage Conditions Environmental Ambient Temperature Class 85 – 105 °C Environmental Ambient Temperature (Max) PC Mechanical Mechanical (Max) | Contact Current Rating (Max) | 3 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 Jage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) Product Wenth Polary (Max) Product Wenth Polary (Max) Polary Finted Circuit Board Printed Circuit Board Printed Circuit Board 16 – 20 mm 10 – 2.5 mm 10 – 2.5 mm 14 – 15 mm 10 – 12 | Contact Material | AgNi |
| 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 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °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 18.2 mm[.717 in] Product Height Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) Product Midth Product Length Product Midth Product Midth Product Height Product H | Relay Terminal Type | PCB-THT |
| Dimensions Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 – 12 mm Product Width 10.2 mm[.4 in] Product Length 18.2 mm[.717 in] Product Height Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °F] | Mechanical Attachment | |
| Length Class (Mechanical) Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Width Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) 16 – 20 mm 10 – 2.5 mm 14 – 15 mm 10 – 12 mm 10 – 12 mm 10 – 12 mm 10 – 12 mm 11 – 12 mm 11 – 12 mm 12 mm 12 mm 13 – 10 mm 14 mm 15 mm 17 in 14 mm 15 mm 15 mm 16 – 20 mm | Relay Mounting Type | Printed Circuit Board |
| 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 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °F] | Dimensions | |
| Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Length Product Length Product Height Usage 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] Width Class (Mechanical) 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °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 Usage Conditions Environmental Ambient Temperature Class 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °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 14.7 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °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 85 – 105 °C Environmental Ambient Temperature (Max) 90 °C[194 °F] | Insulation Clearance Between Contact & Coil | 3.2 mm[.129 in] |
| Product Length Product Height Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °F] | Width Class (Mechanical) | 10 – 12 mm |
| Product Height Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °F] | Product Width | 10.2 mm[.4 in] |
| Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °F] | Product Length | 18.2 mm[.717 in] |
| Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 90 °C[194 °F] | Product Height | 14.7 mm[.579 in] |
| Environmental Ambient Temperature (Max) 90 °C[194 °F] | Usage Conditions | |
| | Environmental Ambient Temperature Class | 85 – 105 °C |
| Packaging Features | Environmental Ambient Temperature (Max) | 90 °C[194 °F] |
| | Packaging Features | |



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

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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



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





Customers Also Bought















Documents

Product Drawings

OJE-SH-112LM,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1461401-5_B3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1461401-5_B3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461401-5_B3.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Power Relays, Standard, Monostable, DC, 200 mW Coil Power Rating DC, 720 Ω Coil Resistance, UL Coil Insulation Class E, OEG Miniature PCB Relay OJ/OJE



Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

Product Specifications

Definitions General Purpose Relays

English

OJE-SH-112LM,000 Spec Sheet

Japanese