OJE-SH-124LMH,000 ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461403-5

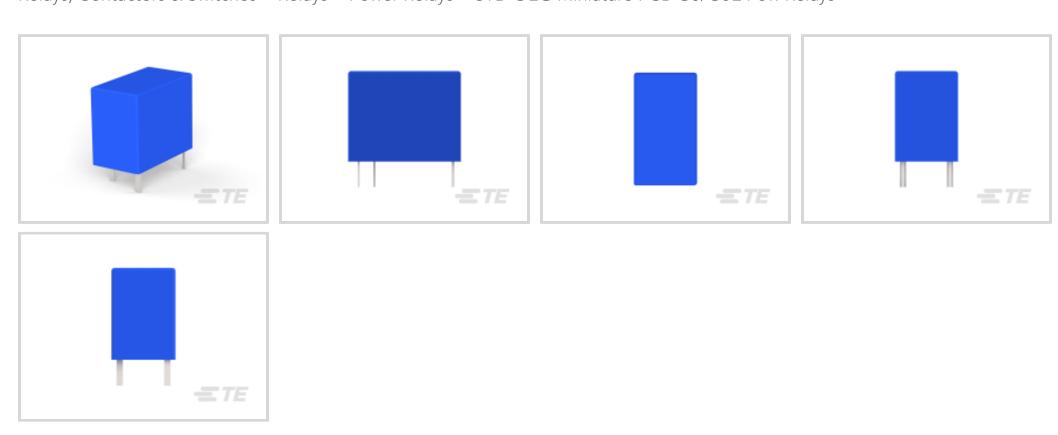
Power Relays, Standard, Monostable, DC, 200 mW Coil Power Rating DC, 2880 Ω Coil Resistance, OEG Miniature PCB Relay OJ

/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: 2880Ω

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	8 A
Contact Limiting Short-Time Current	8 A
Contact Limiting Continuous Current	8 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	8 A
Coil Magnetic System	Monostable, DC



Insulation Special Features Product Weight 9 g(318 oz) Contact Features Contact Features Contact Arrangement 1 Form A (NO) Contact Current Rating (Max) 8 A Contact Current Rating (Max) AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class 1 4 - 20 mm Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 - 21 mm Product Width Product Length Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) 70 °C158 °F		
Coil Special Features UI Coil Insulation Class F Coil Voltage Railing 24 VDC Contact Switching Load (Min) 100mA & 5V Contact Voltage Railing 30 VDC Body Features Tracking Index of Relay Base PTI250 Broduct Weight 9 gl.318 oz Contact Carrent 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) 8 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 Theight 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/, 177 in Product Length 14.7 mm/, 579 in Product Length 14.7 mm/, 579 in	Coil Power Rating DC	200 mW
Coll Voltage Rating 24 VDC Contact Switching Load (Min) 100nA ⊕ 5V Contact Switching Voltage (Max) 30 VDC Body Features Tracking Index of Rolay Base PTI250 Product Weight 9 gl.318 o/l Contact Features Tracking Index of Rolay Base PTI250 Product Weight 9 gl.318 o/l Contact Features 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Current Rating (Max) 8 A Contact Material AgCdO Contact Number of Poles 1 Relay Leminal Type PCB-THI Mechanical Attachment Printed Circuit Board Dimensions — 2.5 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 mm1.129 in Width Class (Mechanical) 10 - 12 mm Product Weight 10.2 mm/2 mm/4 in Product Length 18.2 mm(717 in) Product Length 18.2 mm(717 in)	Coil Resistance	2880 Ω
Contact Switching Load (Min) 100mA @ 5V Contact Switching Voltage (Max) 30 VDC Body Features Tracking Index of Relay Base PTI250 Product Weight 9 g(.318 ez) Contact Arrangement 1 Form A (NO) Contact Current Class 5 − 10 A. 16 A Contact Current Rating (Max) 8 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Printed Circuit Board Dimensions 16 − 20 mm Insulation Clearance Class 0 − 2.5 mm Teight Class (Mechanical) 14 − 15 mm Insulation Clearance Between Contact & Coil 3.2 mml, 129 in Width Class (Mechanical) 10 − 12 mm Product Wright 10 − 12 mm Product Length 182 mml, 177 in Product Length 182 mml, 177 in Product Length 147 mml, 579 in Product Length 17 mml, 579 in Product Length 17 mml, 579 in Product Length 17 mml, 579 in Product Leng	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 gl.318 ozl Contact Features V Contact Arrangement 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Material AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment PCB-THT Relay Mounting Type 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[.129 in] Width Class (Mechanical) 10 – 12 mm Product Width 10 – 22 mm Product Length 14 / 7 mm[.579 in] Product Length 14 / 7 mm[.579 in] Usage Conditions 50 – 70 °C Environmental Ambient Temperature Class 50 – 70 °C	Coil Voltage Rating	24 VDC
Contact Voltage Rating Body Features Insulation Special Features Product Weight Contact Features Contact Features Contact Features Contact Features Contact Features Contact Current Class Contact Current Rating (Max) Contact Gurrent 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) Product Width Product Length Produc	Contact Switching Load (Min)	100mA @ 5V
Insulation Special Features Product Weight 9 g.1318 oz.] Contact Features Contact Arrangement 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Current Rating (Max) 8 A 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) 10 12 mm Product Width 10.2 mm[.4 in] Product Width Product Height 14.7 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class 50 70 °C Environmental Ambient Temperature (Max) 70 end of the series of the	Contact Switching Voltage (Max)	30 VDC
Insulation Special Features Product Weight 9 g(318 oz) Contact Features Contact Features Contact Arrangement 1 Form A (NO) Contact Current Rating (Max) 8 A Contact Current Rating (Max) AgCdO Contact Number of Poles 1 Relay Terminal Type PCB-THT Mechanical Attachment Relay Mounting Type Printed Circuit Board Dimensions Length Class (Mechanical) Insulation Clearance Class 1 4 - 20 mm Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 - 21 mm Product Width Product Length Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) 70 °C158 °F	Contact Voltage Rating	30 VDC
Product Weight 9 gl.318 ozj Contact Features Contact Arrangement 1 Form A (NO) Contact Current Class 5 - 10 A, 16 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 Width 10.2 mm [4 in] Product Length Product Length 18.2 mm [.177 in] Product Height Usase Conditions Environmental Ambient Temperature Class 50 - 70 °C Environmental Ambient Temperature (Max) 70 °C(158 °F]	Body Features	
Contact Features Contact Arrangement 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Current Rating (Max) 8 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 Length 10.2 mm[.4 in] Product Length 10.2 mm[.4 in] Product Length 11.4 mm[.579 in] Usage Conditions Environmental Ambient Temperature Class 50 – 70 °C Environmental Ambient Temperature (Max) 70 °C 158 °F	Insulation Special Features	Tracking Index of Relay Base PTI250
Contact Arrangement 1 Form A (NO) Contact Current Class 5 – 10 A, 16 A Contact Current Rating (Max) 8 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 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]	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) Environmental Ambient Temperature (Max) 7 o °C(158 °F)	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) 10 – 12 mm Product Width Product Width Product Length Product Length Product Length Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) Poles (Machanical) Poles (Machanical) Poles (Machanical) Product Length Product Length	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 P	Contact Current Rating (Max)	8 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 18.2 mm[.717 in] Product Height Usage Conditions Environmental Ambient Temperature Class 50-70 °C Environmental Ambient Temperature (Max) Product Mechanical Printed Circuit Board 16-20 mm 10-25 mm 12-25	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) Insulation Clearance Between Contact & Coil Insulation Clearance Between Contact & Coil Width Class (Mechanical) Vidth 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 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) 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]	Relay Terminal Type	PCB-THT
Length Class (Mechanical) Insulation Clearance Class 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) Length Class (Mechanical) 16 – 20 mm 16 – 20 mm 10 – 2.5 mm 14 – 15 mm 10 – 12 mm 10 – 10 mm 10	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 14 – 15 mm 14 – 15 mm 10 – 12 mm 10 – 12 mm 10 – 12 mm 11 – 12 mm 11 – 12 mm 12 mm[.4 in] 13 mm[.579 in] 14 mm[.579 in] 15 mm[.579 in] 16 – 20 mm 14 – 15 mm 10 – 12 mm 10 – 1	Relay Mounting Type	Printed Circuit Board
Insulation Clearance Class Height Class (Mechanical) Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width Product Length Product Height Usage Conditions Environmental Ambient Temperature (Max) D - 2.5 mm 14 - 15 mm 14 - 15 mm 10 - 12 mm 10 - 12 mm 10 - 12 mm 11 - 12 mm 12 mm[.4 in] 14 - 7 mm[.579 in] 15 - 70 °C 16 - 70 °C 17 °C[158 °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] 70 °C 70 °C 70 °C 70 °C	Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Between Contact & Coil Width Class (Mechanical) Product Width 10 – 12 mm 10.2 mm[.4 in] Product Length 18.2 mm[.717 in] Product Height Usage Conditions Environmental Ambient Temperature Class Environmental Ambient Temperature (Max) 3.2 mm[.129 in] 10 – 12 mm 10.2 mm[.4 in] 14.7 mm[.579 in] 70 °C 70 °C 70 °C	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 50 – 70 °C 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 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]	Width Class (Mechanical)	10 – 12 mm
Product Height Usage 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Cadmium oxide (4.75% 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





Customers Also Bought





TE Part #1735447-4 HPI 2.0 RECEPTACLE HOUSING, 4P







TE Part #5-103735-1
02 MTE HDR SRST LATCH .100CL



TE Part #1-640445-0 10P MTA156 HDR ASSY FL/STR SN



TE Part #2132415-5 EP2.5 Shrouded HDR ASSY 5P VERT w /o boss

TE Part #5-1423008-7 T92-4012,001



Documents

Product Drawings
OJE-SH-124LMH,000

English

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_1461403-5_C3.2d_dxf.zip

Power Relays, Standard, Monostable, DC, 200 mW Coil Power Rating DC, 2880 Ω Coil Resistance, OEG Miniature PCB Relay OJ/OJE



English

Customer View Model

ENG_CVM_CVM_1461403-5_C3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461403-5_C3.3d_stp.zip

English

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Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

Product Specifications

Definitions General Purpose Relays

English

OJE-SH-124LMH,000 095

Japanese