

OJ-SS-109DM,000 ✓ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1-1419129-5

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: **180 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	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	5 A
Contact Limiting Short-Time Current	5 A
Contact Limiting Continuous Current	5 A
Insulation Creepage Class	5.5 – 8 mm
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Creepage Between Contact & Coil	9.4 mm[.37 in]
Contact Limiting Breaking Current	5 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	400 – 500 mW
Coil Power Rating DC	450 mW
Coil Resistance	180 Ω
Coil Special Features	UL Coil Insulation Class E
Coil Voltage Rating	9 VDC



Contact Switching Load (Min)	100mA @ 5V
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Contact Switching Voltage (Max)	30 VDC
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Contact Voltage Rating	30 VDC
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Body Features

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

Contact Arrangement	1 Form A (NO)
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Contact Current Class	2 – 5 A, 16 A
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Contact Current Rating (Max)	5 A
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Contact Material	AgNi90/10
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Contact Number of Poles	1
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Terminal Type	PCB-THT
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Termination Features

Relay Termination Type	Through Hole
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	16 – 20 mm
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Insulation Clearance Class	2.5 – 4 mm
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Height Class (Mechanical)	14 – 15 mm
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Insulation Clearance Between Contact & Coil	7.7 mm[.303 in]
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Width Class (Mechanical)	10 – 12 mm
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Product Width	10.2 mm[.4 in]
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Product Length	18.2 mm[.717 in]
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Product Height	14.7 mm[.579 in]
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Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C
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Environmental Ambient Temperature (Max)	85 °C[185 °F]
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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
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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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](#)



Power Relays(93)

Customers Also Bought



TE Part #1-640456-0
Polyester Vertical PCB Header: 2.54 mm, Unshrouded, No Mating Alignment



TE Part #1461406-4
STD OEG Miniature PCB OJ/OJE Pow Relays



TE Part #1422002-8
AXICOM P2 STANDARD



TE Part #1-2213819-0
6X6 ILL TACT SMT 100GF HI PURE GREEN



TE Part #1622694-1
LR2 1% 16K



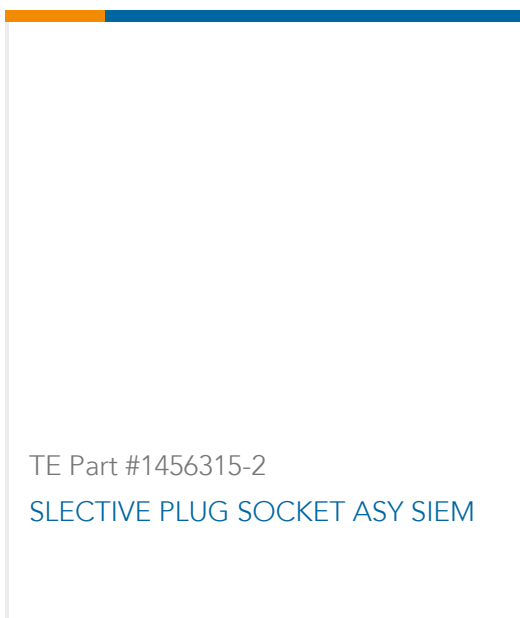
TE Part #8-1415513-1
RF334012



TE Part #1622780-1
LR2 1% 75K



TE Part #1456315-6
32 P SLECTIVE LOAD SOCKET ASY



TE Part #1456315-2
SLECTIVE PLUG SOCKET ASY SIEM

Documents

Product Drawings

[OJ-SS-109DM,000](#)

English

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_1-1419129-5_E4.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_1-1419129-5_E4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1419129-5_E4.3d_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

[OJ-SS-109DM,000 Spec Sheet](#)

Japanese