

OZ-SH-112LM1,294 ! PENDING OBSOLESCENCE



OEG

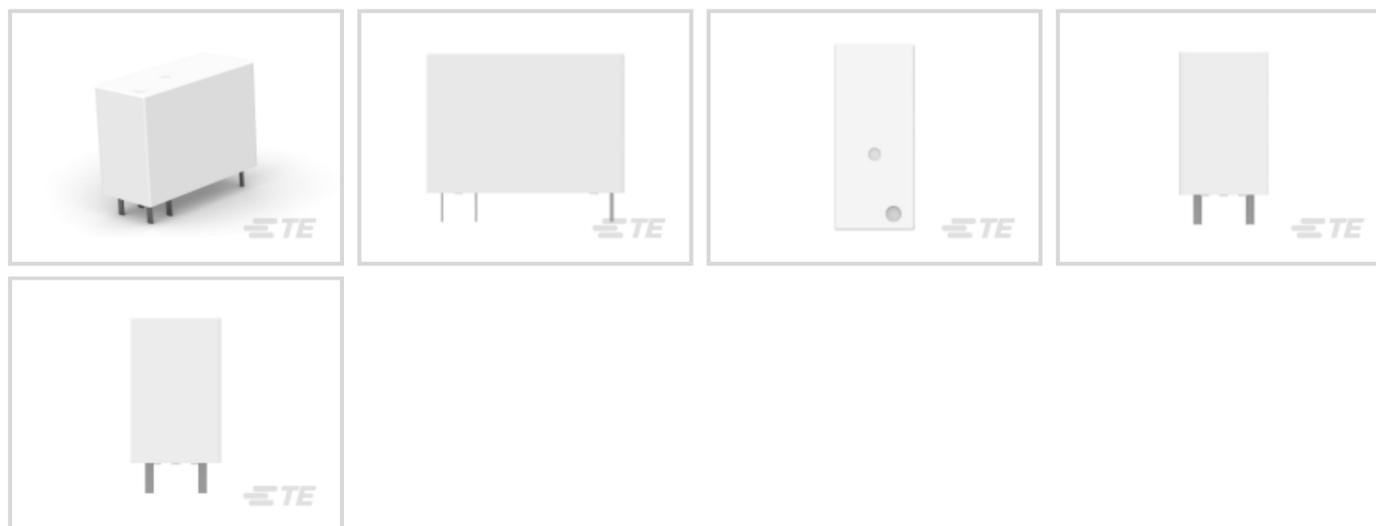
TE Internal #: 1440002-8

TE Internal Description: OZ-SH-112LM1,294

STD SCHRACK RZF Power Relays

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Power Relays > STD SCHRACK RZF Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **500 – 600 mW**

Coil Power Rating DC: **540 mW**

Coil Resistance: **270 Ω**

[All STD SCHRACK RZF Power Relays \(0\)](#)

Features

Product Type Features

| | |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

Electrical Characteristics

| | |
|--|-----------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 4000 V |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Limiting Making Current | 16 A |
| Contact Limiting Short-Time Current | 16 A |
| Contact Limiting Continuous Current | 16 A |
| Insulation Creepage Class | 5.5 – 8 mm |
| Insulation Initial Dielectric Between Contacts & Coil | 5000 Vrms |
| Insulation Initial Resistance | 1000 M Ω |
| Insulation Creepage Between Contact & Coil | 8 mm [.315 in] |
| Contact Limiting Breaking Current | 16 A |
| Coil Magnetic System | Monostable, DC |

| | |
|---------------------------------|---|
| Coil Power Rating Class | 500 – 600 mW |
| Coil Power Rating DC | 540 mW |
| Coil Resistance | 270 Ω |
| Coil Special Features | Sensitive Version, UL Coil Insulation Class A |
| Coil Voltage Rating | 12 VDC |
| Contact Switching Load (Min) | 100mA @ 5V |
| Contact Switching Voltage (Max) | 24 VDC |
| Contact Voltage Rating | 30 VDC |

Body Features

| | |
|-----------------------------|--|
| Insulation Special Features | 10000V Initial Surge Withstand Voltage between Contacts & Coil |
| Product Weight | 13 g[.459 oz] |

Contact Features

| | |
|------------------------------|-----------------|
| Contact Arrangement | 1 Form A (NO) |
| Contact Current Class | 10 – 20 A, 16 A |
| Contact Current Rating (Max) | 16 A |
| Contact Material | AgSnO |
| Contact Number of Poles | 1 |
| Relay Terminal Type | PCB-THT |

Mechanical Attachment

| | |
|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

Dimensions

| | |
|---|-------------------|
| Length Class (Mechanical) | 25 – 30 mm |
| Insulation Clearance Class | 5 – 8 mm |
| Height Class (Mechanical) | 20 – 25 mm |
| Insulation Clearance Between Contact & Coil | 5.5 mm[.217 in] |
| Width Class (Mechanical) | 12 – 16 mm |
| Product Width | 12.8 mm[.504 in] |
| Product Length | 29.21 mm[1.15 in] |
| Product Height | 20.6 mm[.811 in] |

Usage Conditions

| | |
|---|---------------|
| Environmental Ambient Temperature Class | 50 – 70 °C |
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |

Packaging Features

Packaging Method

Box & Carton

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 2022 (224)
 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



Documents

Product Drawings



OZ-SH-112LM1,294

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1440002-8_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1440002-8_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1440002-8_H.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[OZ_OZT Series Relay Data Sheet - English](#)

English

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

[Product Specification](#)

Japanese

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English