# OMIH-SH-124D,394 ✔ ACTIVE

OEG | OEG Power PCB Relay OMI/OMIH

TE Internal #: 1461373-9

OEG Power PCB Relay OMI/OMIH, Power Relays, Standard, Monostable, DC, 600 – 800mW Coil Power Rating Class, 720mW Coil Power Rating DC

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **600 – 800 mW**

Coil Power Rating DC: **720 mW**

Coil Resistance: **820 Ω**

## 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 MΩ |
| Insulation Creepage Between Contact & Coil | 8 mm[.315 in] |
| Contact Limiting Breaking Current | 16 A |
| Coil Magnetic System | Monostable, DC |
| Coil Power Rating Class | 600 – 800 mW |
| Coil Power Rating DC | 720 mW |
| Coil Resistance | 820 Ω |
| Coil Special Features | UL Coil Insulation Class A |
| Coil Voltage Rating | 24 VDC |

| | |
|---|---|
| Contact Switching Load (Min) | 100mA @ 5V |
| Contact Switching Voltage (Max) | 30 VDC |
| Contact Voltage Rating | 250 VAC |

## Body Features

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

## Contact Features

| | |
|---|---|
| Contact Arrangement | 1 Form C (CO) |
| Contact Current Class | 10 – 20 A, 16 A |
| Contact Current Rating (Max) | 16 A |
| Contact Material | AgSnO |
| Contact Number of Poles | 1 |
| Terminal Type | PCB-THT |

## Mechanical Attachment

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

## Dimensions

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|---|---|
| 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

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|---|---|
| Environmental Ambient Temperature Class | 50 – 70 °C |
| Environmental Ambient Temperature (Max) | 60 °C[140 °F] |
| Environmental Category of Protection | RTIII |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box & Carton |

# Product Compliance

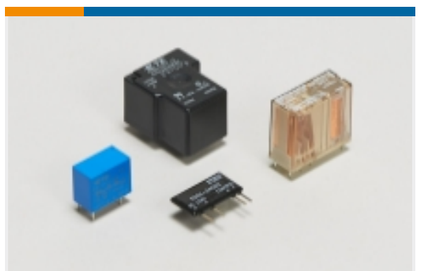
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not 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: JAN 2020 (205)<br>Candidate List Declared Against: JAN 2018 (181)<br>Does not contain REACH SVHC |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2020 (205)<br>Candidate List Declared Against: JAN 2018 (181) |
| Halogen Content | Not Yet Reviewed for halogen content |
| 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Also in the Series | OEG Power PCB Relay OMI/OMIH

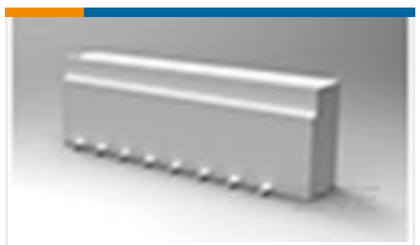


Power Relays(109)

## Customers Also Bought



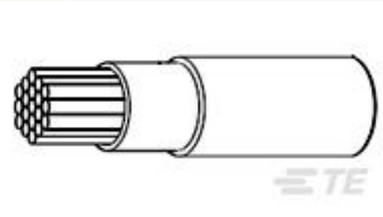
TE Model / Part #1461373-3
OMIH-SH-124LM,394



TE Model / Part #2-84982-8
1MM FFC SMT V ASSY 28P EMBOSS



TE Model / Part #7-1623931-0
CFR25 5% 750K



TE Model / Part #9009933004
FLDWC0311-0.75-0



TE Model / Part #1622363-1
LR1 1% 1K74



TE Model / Part #1622455-2
LR1 1% 392K



TE Model / Part #6-1440000-8
OMIH-SH-109LM,394



TE Model / Part #1440001-1
OMIT-SS-109LM,300



TE Model / Part #2-1879125-2
RN 0402 60R4 0.1% 10PPM CUT LENGTH



TE Model / Part #4-1393248-8
W33-T4C1Q-5=W33

## Documents

### Product Drawings

OMIH-SH-124D,394

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1461373-9_C4.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1461373-9_C4.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461373-9_C4.3d_stp.zip

English

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

### Product Specifications

## Definitions Relays

English