OJE-SH-112HMF,F095 ✔ ACTIVE

TE Internal #: 4-1419144-7

Power Relays, General Purpose Power Relay, Monostable, .45 W Coil, 320 Ω Coil Resistance, UL Coil Insulation Class F, 12 VDC Coil Voltage

View on TE.com >

Relays & Contactors > Relays > Power Relays

Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating: **.45 W**

Coil Resistance: **320 Ω**

Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Number of Poles	1

Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms
Contact Limiting Breaking Current	10 A
Coil Power Rating	.45 W
Coil Resistance	320 Ω

Coil Voltage Rating	12 VDC
Contact Current Rating	10 A
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Product Weight	9 g[.318 oz]

Contact Features

Contact Material	AgCdO

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board

Dimensions

Insulation Clearance Between Contact & Coil	3.2 mm[.125 in]
Insulation Creepage Between Contact & Coil	3.6 mm[.141 in]
Product Width	10.2 mm[.401 in]
Product Length	18.2 mm[.716 in]
Product Height	14.7 mm[.58 in]

Usage Conditions

Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	70 °C[158 °F]

Operation/Application

Actuating System	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Bundle

Other

Length Class (Mechanical)	16 – 20 mm
Environmental Ambient Temperature Class	50 – 70 °C

Height Class (Mechanical)	14 – 15 mm
Coil Power Rating Class	400 – 500 mW
Width Class (Mechanical)	10 – 12 mm
Contact Current Class	16 A

Product Compliance

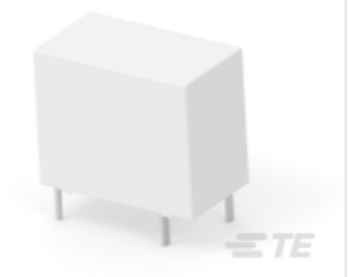
For compliance documentation, visit the product page on TE.com>

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Cadmium oxide (5.91% 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



TE Part # 1649222-1
OJE-SS-112DM,801



TE Part # 1-1649222-2
OJE-SH-112DM,000T0

TE Part # 1-1721539-7
OJE-SS-112HM2.000T0



TE Part # 1649222-6
OJE-SS-112DM,0A000



TE Part # 1721261-7
OJE-SS-112LMH2,000T0

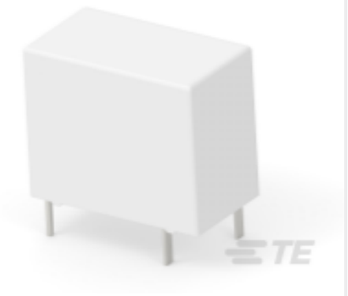


TE Part # 2071369-1
OJE-SH-112DM,00E0W



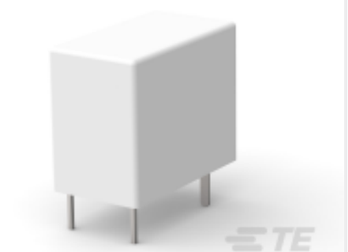
TE Part # 1649222-4
OJE-SH-112DM,801

TE Part # 2071385-2
OJE-SH-112HM2F,000



TE Part # 1721923-4
OJE-SS-112HMF,00D00

Customers Also Bought



TE Part #1721538-7
STD OEG Miniature PCB OJ/OJE Pow Relays



TE Part #643411-1
02P UMNL HDR ASSY POL



TE Part #1971845-3
3P, RAST 5 Tab Header, THV

TE Part #1-1721261-3
OJ-SH-112LMH2.000T0



TE Part #1721261-7
OJE-SS-112LMH2,000T0

TE Part #1-1461116-8
OJT-SH-124DM,000T0

TE Part #1-1721260-1
OJ-SH-112LMH2

TE Part #1461247-7
OJ-SH-112LMH,000T0

TE Part #1-1721260-3
OJ-SS-112LMH2,000T0

Documents

Product Drawings

OJE-SH-112HMF,F095

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1419144-7_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-1419144-7_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1419144-7_C.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 General Purpose Relays

English

Agency Approvals

VDE Certificate

English