OJ-SH-112LMH,000 ✔ ACTIVE

OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 9-1419128-8

TE Internal Description: OJ-SH-112LMH,000

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **150 – 200 mW**

Coil Power Rating DC: **200 mW**

Coil Resistance: **720 Ω**

Features

Product Type Features

Power Relay Type	Standard

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 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	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	8 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	150 – 200 mW
Coil Power Rating DC	200 mW
Coil Resistance	720 Ω

Coil Special Features	Sensitive Version, UL Coil Insulation Class B
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

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

Contact Features

Contact Arrangement	1 Form A (NO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	8 A
Contact Material	W + AgSnO2
Contact Number of Poles	1
Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Class	2.5 – 4 mm
Height Class (Mechanical)	14 – 15 mm
Insulation Clearance Between Contact & Coil	7.7 mm[.303 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]
Environmental Category of Protection	RTIII

Packaging Features

Packaging Method	Box & Tray, Tray

Product Compliance

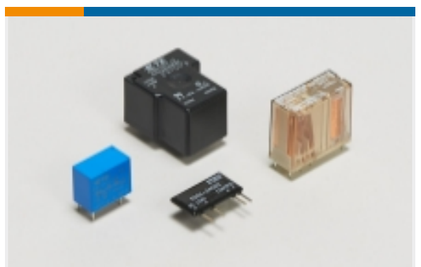
For compliance documentation, visit the product page on TE.com>

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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
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 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.

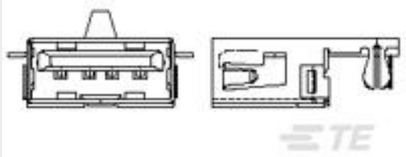
Also in the Series | OEG Miniature PCB Relay OJ/OJE



Power Relays(91)

OJ-SH-112LMH,000

Customers Also Bought



TE Model / Part #1746311-1
Std USB Type A, R/A, T/H

TE Model / Part #1717254-4
EMBOSS ASSY DDR2 SODIMM SOCKET 200P 5.2H

TE Model / Part #1-1123724-2
3.96EP HDR ASSY 2(3)P NATURAL

TE Model / Part #4-1419128-4
OJE-SS-112HMF,F000

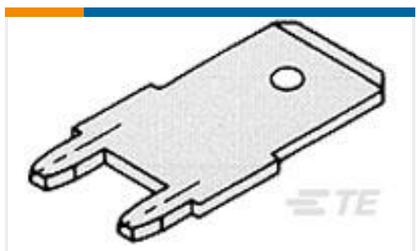
TE Model / Part #1437565-3
FSM101=12MM FSM TYPE WITH RAIS

TE Model / Part #1-1419126-8
SDT-SS-112DM,000

TE Model / Part #6-1419130-5
OUAZ-SH-112L,900

TE Model / Part #1419131-5
OUAZ-SS-112L,900

TE Model / Part #2-1440002-4
OZ-SS-112LM1,200



TE Model / Part #63839-1
FASTON 250 TAB TPBR

Documents

Product Drawings

OJ-SH-112LMH,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-1419128-8_C3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-1419128-8_C3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-1419128-8_C3.3d_stp.zip

English

OJ-SH-112LMH,000

Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

Product Specifications

OJ-SH-112LMH,000 095 Spec Sheet

Japanese

Definitions Relays

English

Product Environmental Compliance

MD_9-1419128-8_09212018921_dmtec

English