OJ-SH-105HM,000 ✔ ACTIVE

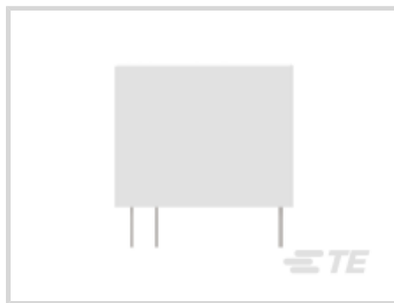
OEG | OEG Miniature PCB Relay OJ/OJE

TE Internal #: 1461405-3

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: **56 Ω**

All STD OEG Miniature PCB OJ/OJE Pow Relays (91)

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	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 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	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	400 – 500 mW

Coil Power Rating DC	450 mW
Coil Resistance	56 Ω
Coil Special Features	UL Coil Insulation Class E
Coil Voltage Rating	5 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)	10 A
Contact Material	AgCdO
Contact Number of Poles	1
Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Through Hole

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]

Packaging Features

Packaging Method	Box & Tray, Tray

Product Compliance

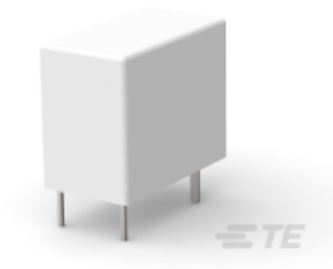
For compliance documentation, visit the product page on TE.com>

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: JAN 2021 (211) Candidate List Declared Against: JAN 2020 (205) SVHC > Threshold: Not Yet Reviewed
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.

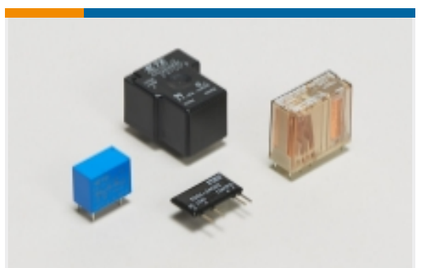
Compatible Parts



TE Part # CAT-OE4-OJ1
STD OEG Miniature PCB OJ/OJE Pow Relays

TE Part # CAT-OE4-OJTV8
Miniature PCB Relay: 10A TV-8 Rated OJT Relays

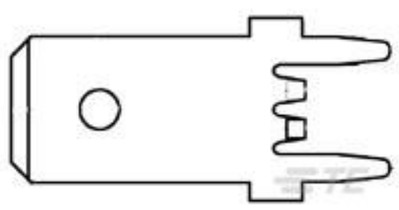
Also in the Series | OEG Miniature PCB Relay OJ/OJE



Power Relays(93)

Customers Also Bought

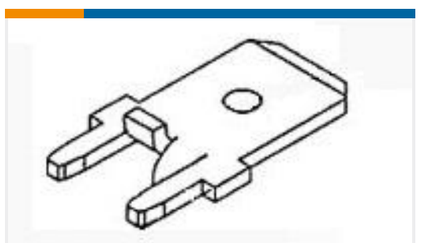
TE Part #1393194-7
T77S1D10-05



TE Part #1217169-1
250 FASTON,PCB TAB,TCBR

TE Part #1-1827654-1
2mm pitch Battery Plug Assy. 7Pos. H=4.0

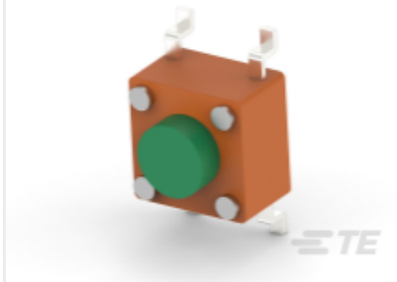
TE Part #1-2301994-2
RJ45 JACK INT.MAG. 1GB LED 1X1



TE Part #1217125-1
250 FASTON,PCB TAB,TPBR

TE Part #1415899-1
PCB Power Relay: 12-16 Amp, Monostable

TE Part #HD36-18-6SN-059
DEUTSCH HD30 HOUSINGS



TE Part #1-1977223-0
FSM4JSMASTR=6MM TACT SWITCH, SMT 160gf,

TE Part #1461102-5
SDT-S-112LMR,601

TE Part #11027528-00
451 CUVETTE PROBE

Documents

Product Drawings

OJ-SH-105HM,000

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1461405-3_C3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1461405-3_C3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1461405-3_C3.3d_stp.zip

English

Datasheets & Catalog Pages

OJ_OJE Series Relay Data Sheet English

English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Specification

Japanese