SDT-SH-112DM,000 ! PENDING OBSOLESCENCE

OEG

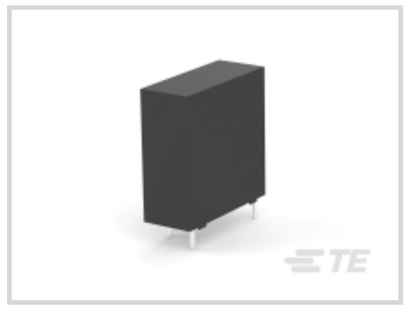
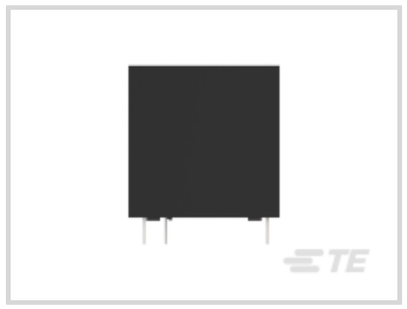
TE Internal #: 1419126-5

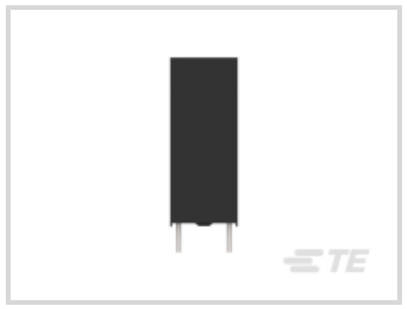
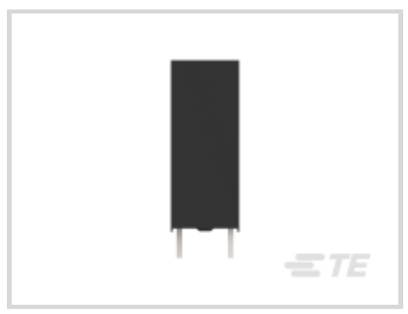
TE Internal Description: SDT-SH-112DM,000

STD OEG PCB PCFN Solar Power Relays

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays > STD OEG PCB PCFN Solar 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: **267 Ω**

All STD OEG PCB PCFN Solar Power Relays (0)

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	900 Vrms
Contact Limiting Making Current	10 A
Contact Limiting Short-Time Current	10 A
Contact Limiting Continuous Current	10 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Creepage Between Contact & Coil	3.2 mm[.126 in]
Contact Limiting Breaking Current	10 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	500 – 600 mW

Coil Power Rating DC	540 mW
Coil Resistance	267 Ω
Coil Special Features	UL Coil Insulation Class E
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Product Weight	11 g[.388 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	AgNi90/10
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	20 – 25 mm
Insulation Clearance Class	0 – 2.5 mm
Height Class (Mechanical)	20 – 25 mm
Insulation Clearance Between Contact & Coil	1.6 mm[.093 in]
Width Class (Mechanical)	8 – 10 mm
Product Width	10 mm[.394 in]
Product Length	24 mm[.945 in]
Product Height	25 mm[.984 in]

Usage Conditions

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

Packaging Features

Packaging Method	Tube

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

TE Part # CAT-OE4-SD69
STD OEG PCB PCFN Solar Power Relays

Documents

Product Drawings

SDT-SH-112DM,000

English

CAD Files

Customer View Model

ENG_CVM_CVM_1419126-5_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1419126-5_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1419126-5_E.3d_stp.zip

English

Datasheets & Catalog Pages

SDTR Series Relay Data Sheet English

English

SDT Series Relay Data Sheet English

English

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English