# SDT-SH-124DM,000 Pending obsolescence

#### OEG

TE Internal #: 1-1419126-0

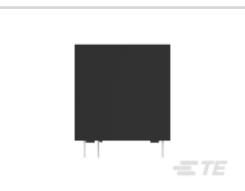
TE Internal Description: SDT-SH-124DM,000 STD OEG PCB PCFN Solar Power Relays

View on TE.com >

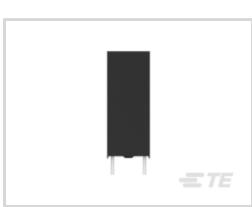


Relays, Contactors & Switches > Relays > Power Relays > STD OEG PCB PCFN Solar Power Relays











Power Relay Type: Standard

Coil Magnetic System: Monostable, DC Coil Power Rating Class: 500 – 600 mW

Coil Power Rating DC: 540 mW

Coil Resistance: 1067  $\Omega$ 

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  | 1067 Ω   |
| Coil Special Features  | UL Coil Insulation Class E                               |
| Coil Voltage Rating  | 24 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  |
|  | 8 – 10 mm<br>10 mm[.394 in]                              |
| Width Class (Mechanical)   |  |
| Width Class (Mechanical) Product Width   | 10 mm[.394 in]   |
| Width Class (Mechanical)  Product Width  Product Length  | 10 mm[.394 in] 24 mm[.945 in]                            |
| Width Class (Mechanical)  Product Width  Product Length  Product Height  | 10 mm[.394 in] 24 mm[.945 in]                            |
| Width Class (Mechanical)  Product Width  Product Length  Product Height  Usage Conditions  | 10 mm[.394 in] 24 mm[.945 in] 25 mm[.984 in]             |
| Width Class (Mechanical)  Product Width  Product Length  Product Height  Usage Conditions  Environmental Ambient Temperature Class | 10 mm[.394 in] 24 mm[.945 in] 25 mm[.984 in]  50 – 70 °C |



# **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<br>(224)<br>Candidate List Declared Against: JUN 2020<br>(209)<br>Does not contain REACH SVHC |
| 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 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**



### **Documents**

Product Drawings SDT-SH-124DM,000

English

#### **CAD Files**

**Customer View Model** 



ENG\_CVM\_CVM\_1-1419126-0\_E.2d\_dxf.zip

English

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1419126-0\_E.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1419126-0\_E.3d\_stp.zip

English

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

# 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**

**TE Material Declaration** 

English