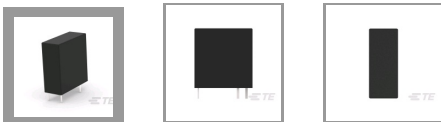




+ RELAYS, CONTACTORS & SWITCHES

POWER RELAYS



✓ Active

TE CONNECTIVITY (TE)

## SDT-S-109LMR2,000

OEG | SDT-R

SDT-S-109LMR2,000

TE Internal Number: 9-1419125-5

EU RoHS Compliant

EU ELV Compliant

**Power Relay Type** Standard

**Coil Magnetic System** Monostable, DC

**Coil Power Rating Class (mW)** 100 – 150

**Coil Power Rating DC (mW)** 150

**Coil Resistance ( $\Omega$ )** 324

↓ **PRODUCT DRAWING**  
English

↓ **3D PDF**

### DOCUMENTATION

Product Drawings

#### **SDT-LMR2 CUSTOMER DRAWING**

PDF

**English**

CAD Files

#### **3D PDF**

PDF

**3D**

#### **Customer View Model**

2D\_DXF.ZIP

**English**

### **Customer View Model**

3D\_IGS.ZIP

**English**

### **Customer View Model**

3D\_STP.ZIP

**English**

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Catalog Pages/Data Sheets

### **SDTR Series Relay Data Sheet English**

PDF

**English**

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Product Specifications

Product Specification

### **SDT-S-109LMR2,000 Spec Sheet**

PDF

**Japanese**

### **Definitions Relays**

PDF

**English**

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## **FEATURES**



Please review product documents or [contact us](#) for the latest agency approval information.

Please Note: Use the Product Drawing for all design activity.

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Product Type Features

**Power Relay Type** Standard

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Electrical Characteristics

**Contact Limiting Breaking Current (A)** 10  
**Coil Magnetic System** Monostable, DC  
**Coil Power Rating Class (mW)** 100 – 150  
**Coil Power Rating DC (mW)** 150  
**Coil Resistance ( $\Omega$ )** 324  
**Coil Special Features** Sensitive Version, UL Coil Insulation Class E  
**Coil Voltage Rating (VDC)** 9  
**Contact Switching Load (Min)** 100mA @ 5V  
**Contact Switching Voltage (Max) (VAC)** 250  
**Contact Switching Voltage (Max) (VDC)** 30  
**Contact Voltage Rating (VAC)** 250  
**Contact Voltage Rating (VDC)** 30  
**Insulation Initial Dielectric Between Contacts & Coil (Vrms)** 4000  
**Contact Limiting Continuous Current (A)** 10  
**Insulation Creepage Between Contact & Coil** 3.2 mm [.126 in]  
**Contact Limiting Making Current (A)** 10  
**Insulation Creepage Class (mm)** 3 – 5.5  
**Contact Limiting Short-Time Current (A)** 10  
**Insulation Initial Dielectric Between Open Contacts (Vrms)** 1000  
**Insulation Initial Dielectric Between Coil & Contact Class (V)** 3500 – 4000

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#### Body Features

**Weight** 11 g [.388 oz]

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#### Contact Features

**Contact Arrangement** 1 Form A (NO)  
**Contact Current Class (A)** 5 – 10, 16  
**Contact Current Rating (Max) (A)** 10  
**Contact Material** AgNi90/10  
**Contact Number of Poles** 1  
**Terminal Type** PCB-THT

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#### Mechanical Attachment

**Relay Mounting Type** Printed Circuit Board

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#### Dimensions

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

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#### Usage Conditions

**Environmental Category of Protection** RTII  
**Environmental Ambient Temperature Class ( $^{\circ}\text{C}$ )** 50 – 70  
**Environmental Ambient Temperature (Max)** 70  $^{\circ}\text{C}$  [158  $^{\circ}\text{F}$ ]

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#### Packaging Features

**Packaging Method** Box & Tray, Box & Tube, Tray, Tube

Statement of Compliance

**Statement of Compliance**

PDF

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