

#### OEG

TE Internal #: 1-1393194-8

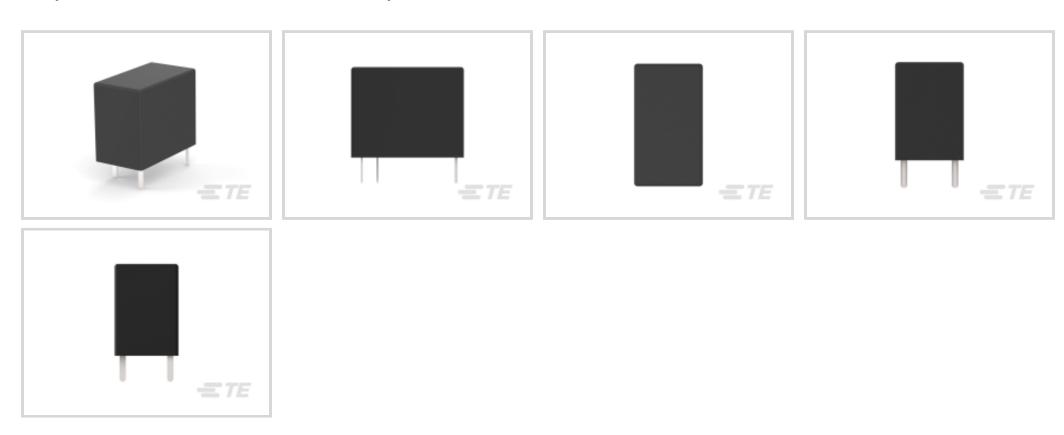
General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 10 A Contact Rating, 5 VDC Coil Voltage, 250 VAC Contact

Voltage

View on TE.com >



Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: General Purpose Power Relay

Current Type: DC

Coil Magnetic System: Monostable

Contact Arrangement: 1 Form A SPST-NO

Contact Current Rating: 10 A

#### **Features**

#### **Product Type Features**

Relay & Contactor Type	General Purpose Power Relay
Configuration Features	
Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A SPST-NO
Electrical Characteristics	
Contact Limiting Short-Time Current	10 A
Contact Limiting Making Current	10 A
Contact Limiting Continuous Current	10 A
Contact Limiting Breaking Current	10 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Switching Voltage (Max)	277 VAC
Contact Switching Load (Min)	100mA @ 5V
Coil Resistance	56 Ω



Contact Current Rating	10 A
Coil Voltage Rating	5 VDC
Contact Voltage Rating	30 VDC
Coil Power Rating DC	.45 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Body Features	
Product Weight	9 g[.318 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable
Contact Features	
Contact Material	Silver Cadmium Oxide
Termination Features	
Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins
Mechanical Attachment	
Product Mount Type	Board Mount
Dimensions	
Insulation Clearance Between Contact & Coil	3.2 mm[.126 in]
Insulation Creepage Between Contact & Coil	6.4 mm[.252 in]
Product Width	10.2 mm[.401 in]
Product Length	18.2 mm[.716 in]
Product Height	14.7 mm[.578 in]
Usage Conditions	
Operating Temperature Range	-30 - 85 °C[-22 - 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operation/Application	
Current Type	DC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Bundle
Other	



Coil Power Rating Class	.4 – .5 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	14 – 15 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	10 – 12 mm

#### **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	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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cadmium oxide (5.91% in 4735356691) Article Safe Usage Statements: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

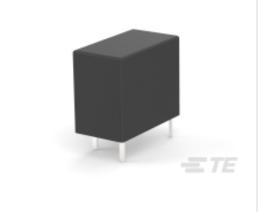
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**

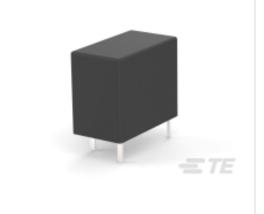




TE Part # 1393194-7 T77S1D10-05



TE Part # 2-1393194-1 T77V1D10-24



TE Part # 1393194-9 T77S1D10-12



TE Part # 2-1393194-0 T77V1D10-18



TE Part # 1440005-1 T77V1D10-09



TE Part # 2-1393194-5 T77V1D3-05



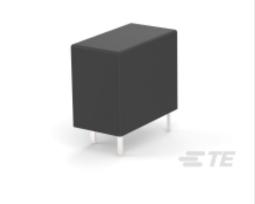
TE Part # 1393194-6 T77S1D10-03



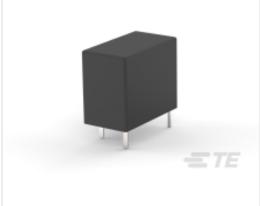
T77S1D10-24



TE Part # 1-1393194-9 T77V1D10-12



TE Part # 2-1393194-6 T77V1D3-12



TE Part # 1-1393194-3 T77S1D3-05



TE Part # 2-1393194-7 T77V1D3-24

# Customers Also Bought



TE Part #5745074-4 HD-20 PLUG 37P VERT FFSCRLK



TE Part #2-1563759-1 18POS,AMP MCP1.5K,REC HSG,ASSY



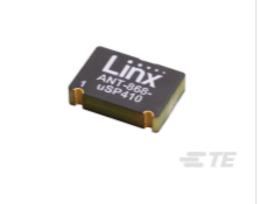
TE Part #1393194-7 T77S1D10-05



TE Part #2176392-3 RQ 1206 140K 0.1% 10PPM 5K RL



TE Part #6-440054-2 HPI 2.0MM,HDR,2POSVERTICAL,BLK



TE Part #L9000152-01 Antenna uSP PCB RPC 410 868MHz SMT T&R



CRGCQ 2512 10K 1%









#### **Documents**

#### **Product Drawings**

T77V1D10-05

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393194-8\_C7.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393194-8\_C7.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393194-8\_C7.3d\_stp.zip

English

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

#### Datasheets & Catalog Pages

T77 10 Amp Miniature PC Board Relay

English

OJ\_OJE Series Relay Data Sheet English

English

### **Product Specifications**

**Definitions General Purpose Relays** 

English

#### Agency Approvals

**VDE** Certificate

English