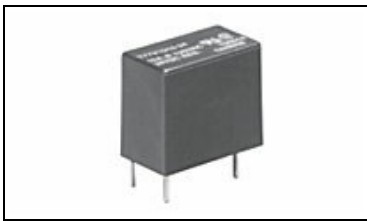




T77S1D10-24 Product Details

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T77S1D10-24
(1-1393194-0)

TE Internal Number: 1-1393194-0

Active

View 3D PDF

Industrial Relays (General Purpose)

Always EU RoHS compliant but not ELV Compliant (Statement of Compliance)

Product Highlights:

- T77 Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 10 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form A (NO)

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [T77V\(S\)1D10-24 CUSTOMER DRAWING](#) (PDF, English)

Catalog Pages/Data Sheets:

- [T77 10 Amp Miniature PC Board Relay](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version C1)
- [3D Model](#) (IGES, Version C1)
- [3D Model](#) (STEP, Version C1)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Schematic](#)
- [PCB Layout](#)
- [Wiring Diagram](#)

Related Products:

- [Tooling](#)

Feedback

Product Features (Please use the Product Drawing for all design activity)

Electrical Characteristics:

- Contact - Current Class = 5A to 10A Class, Less Than 16A
- [Contact - Rated Current \(A\)](#) = 10
- Contact - Limiting Continuous Current (A) = 10
- Contact - Limiting Making Current (A) = 10
- Contact - Limiting Breaking Current (A) = 10
- Insulation - Initial Dielectric Between Coil/Contact Class = 3500V to 4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 750
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 4000
- Contact - Rated Voltage (VAC) = 250
- Contact - Rated Voltage (VDC) = 30
- Contact - Switching Voltage Max. (VAC) = 250
- Contact - Switching Voltage Max. (VDC) = 30
- Contact - Limiting Short-Time Current (A) = 10
- Contact - Switching Recommended Load, Min. = 100mA at 5V
- Coil - Rated Voltage (VDC) = 24
- [Coil - Resistance \(Ω\)](#) = 1280
- [Coil - Rated Power, DC \(mW\)](#) = 450
- Coil - Rated Power Class = 400mW to 500mW Class
- Insulation - Creepage Class = 5.5mm to 8mm Class
- Insulation - Clearance Class = 2.5mm to 4mm Class

Dimensions:

- Mechanical - Length Class = 16mm to 20mm Class
- Length (mm [in]) = 18.20 [0.717]
- Mechanical - Width Class = 10mm to 12mm Class

Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 9.00 [0.318]

Contact Features:

- Terminal Type = PCB-THT
- Contact Material = AgCdO
- Contact - Number of Poles = 1

Configuration Features:

- [Contact - Arrangement](#) = 1 Form A (NO)
- [Coil - Magnetic System](#) = Monostable, DC

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS/Not ELV Compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS not ELV compliant
- Approved/Registered Standards = cULus, VDE

Environmental:

- Environmental - Category of Protection = RTIII
- Environmental - Ambient Temperature, Max. (°C [°F]) = 85 [185]
- Environmental - Ambient Temperature Class = 70°C to 85°C Class

Other:

- [Series](#) = T77
- Brand = Potter & Brumfield

- Width (mm [in]) = 10.20 [0.400]
- Mechanical - Height Class = 14mm to 15mm Class
- Height (mm [in]) = 14.70 [0.579]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 3.2 [0.126]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 6.4 [0.252]

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