

Miniature PCB Relay T77 (Continued)

Insulation Data

| | |
|-----------------------------|------------|
| Initial dielectric strength | |
| between open contacts | 750Vrms |
| between contact and coil | 4000Vrms |
| Clearance/creepage | |
| between contact and coil | >3.2/6.4mm |

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

Ambient temperature 3A type: -30°C to +105°C
5A and 10A type: -30°C to +85°C

Category of environmental protection IEC 61810 RTII - dust protected
RTIII - wash tight

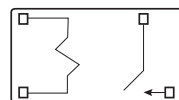
Shock resistance (functional) 10g
Shock resistance (destructive) 100g
Weight 9g

Resistance to soldering heat THT IEC 60068-2-20 RTII: 270°C/10s
RTIII: 260°C/5s

Packaging/unit Tray/100, carton box/1000

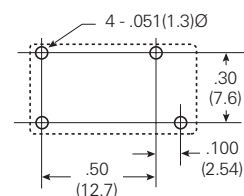
Terminal assignment

Bottom view on solder pins

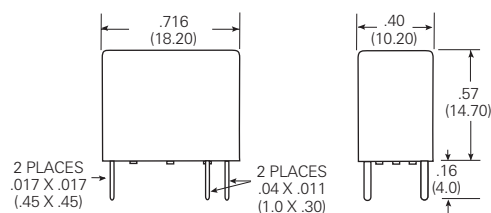


PCB layout

Bottom view on solder pins



Dimensions



Product code structure

Typical product code

T77 V 1 D 10 -12

Type

T77 Miniature PCB Relay T77

Category of protection

V Flux proof

S Wash tight

Contact arrangement

1 1 Form A, 1NO

Coil input

D DC coil

Contact rating and coil power

5 450 mWcoil power
5A type, coil power 450mW
10 10A type, coil power 450mW

3 200mW coil power
3A type, coil power 200mW

Coil voltage

Coil code: please refer to coil versions table (e.g. 12 = 12VDC)

Insulation system

Blank UL Class 155 (F)

A UL Class 120 (E)

Special types

Blank Standard

| Product code | Enclosure | Contact rating | Cont.material | Coil voltage | Coil power | Part number |
|--------------|------------|----------------|---------------|--------------|------------|-------------|
| T77S1D3-05 | Wash tight | 3A | Ag | 5VDC | 200mW | 1-1393194-3 |
| T77V1D3-12 | Flux proof | 3A | Ag | 12VDC | 200mW | 2-1393194-6 |
| T77S1D3-12 | Wash tight | 3A | Ag | 12VDC | 200mW | 1-1393194-5 |
| T77V1D3-24 | Flux proof | 3A | Ag | 24VDC | 200mW | 2-1393194-7 |
| T77S1D3-24 | Wash tight | 3A | Ag | 24VDC | 200mW | 1-1393194-6 |
| T77V1D10-05 | Flux proof | 10A | AgCdO | 5VDC | 450mW | 1-1393194-8 |
| T77S1D10-05 | Wash tight | 10A | AgCdO | 5VDC | 450mW | 1393194-7 |
| T77V1D10-09 | Flux proof | 10A | AgCdO | 9VDC | 450mW | 1440005-1 |
| T77S1D10-03 | Wash tight | 10A | AgCdO | 3VDC | 450mW | 1393194-6 |
| T77V1D10-12 | Flux proof | 10A | AgCdO | 12VDC | 450mW | 1-1393194-9 |
| T77S1D10-12 | Wash tight | 10A | AgCdO | 12VDC | 450mW | 1393194-9 |
| T77V1D10-24 | Flux proof | 10A | AgCdO | 24VDC | 450mW | 2-1393194-1 |
| T77S1D10-24 | Wash tight | 10A | AgCdO | 24VDC | 450mW | 1-1393194-0 |