

## 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/customer-support/rohssupportcenter](http://www.te.com/customer-support/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

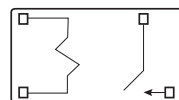
Shock resistance (functional) 10g  
Shock resistance (destructive) 100g  
Weight 9g

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

Packaging/unit Tray/100, carton box/1000

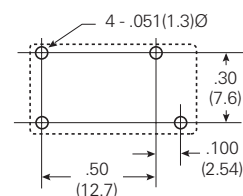
### Terminal assignment

Bottom view on solder pins

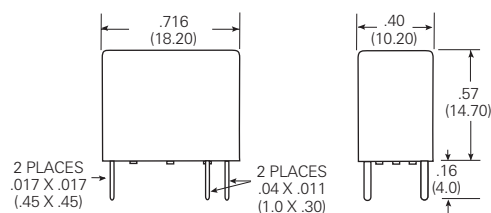


### PCB layout

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