

# TE PCB Relays



**DIMENSIONS: mm**

**A**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**I**

**J**

\* Throw models, only necessary terminals are present

## TSC SERIES: 1AMP MINIATURE PCB RELAYS

- Specifications:**
- Low coil power requirement for IC compatibility
  - Sealed plastic case
  - Nominal power: Standard coil = 300mW; Sensitive coil = 150mW
- Common Applications:**
- Telecommunications
  - Appliances
  - Office machines
  - Security systems
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
<b>Standard Coil</b>									
677-TSC-105D3H	TSC-105D3H,000	D	5VDC	SPDT	60mA	1.92	1.68	1.52	1.20
677-TSC-112D3H	TSC-112D3H,000	D	12VDC	SPDT	25mA	1.97	1.71	1.55	1.22
677-TSC-124D3H	TSC-124D3H,000	D	24VDC	SPDT	12.5mA	2.21	1.93	1.74	1.38
<b>Sensitive Coil</b>									
677-TSC-105L3H	TSC-105L3H,000	D	5VDC	SPDT	30mA	1.85	1.62	1.47	1.16
677-TSC-112L3H	TSC-112L3H,000	D	12VDC	SPDT	12.5mA	2.28	1.99	1.80	1.42
677-TSC-124L3H	TSC-124L3H,000	D	24VDC	SPDT	6.3mA	2.30	2.01	1.82	1.44

## PCN SERIES: 3 AMP MINIATURE PCB RELAYS

- Specifications:**
- Contact form: SPST-NO
  - Rated current: 3A
  - Rated voltage: 250VAC
  - Contact material: Silver nickel
  - Contact assembly: Bifurcated contact
  - Conforms to UL508
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-PCN-105D3MHZ	PCN-105D3MHZ	E	5VDC	SPST-NO	120mW	1.73	1.51	1.36	1.28
677-PCN-112D3MHZ	PCN-112D3MHZ	E	12VDC	SPST-NO	120mW	1.69	1.47	1.33	1.05
677-PCN-124D3MHZ	PCN-124D3MHZ	E	24VDC	SPST-NO	120mW	2.05	1.78	1.62	1.56

## RZ SERIES: PCB RELAYS

- 1 pole 12/16A, 1 CO or 1 NO contact
  - DC-coil 400mW
  - 5kV/10mm coil-contact, reinforced insulation
  - Ambient temperature 85°C (clear cover: 70°C)
  - Product in accordance to IEC60335-1
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage	Contact Form	Contact Res. (Ω)	Price Each			
						1	25	50	100
655-RZ01-1C4-D012	1-1415899-0	F	12VDC	1 Form C (CO)	12A	2.44	2.00	1.77	1.58
655-RZ01-1C4-D024	1-1415899-1	F	24VDC	1 Form C (CO)	12A	2.44	2.00	1.77	1.58
655-RZ03-1A4-D012	1-1415899-6	F	12VDC	1 Form A (NO)	16A	2.39	2.00	1.77	1.56
655-RZ03-1C4-D005	1-1415899-9	F	5VDC	1 Form C (CO)	16A	2.53	2.07	1.83	1.62
655-RZ03-1C4-D024	2-1415899-3	F	24VDC	1 Form C (CO)	16A	2.53	2.07	1.83	1.62

## RT SERIES: MINIATURE PCB RELAYS

- Enclosure: RT 1,3,4 - Flux-light, hot vented, plastic case
  - Pin spacing: RT 1,B - 3.5mm; RT 3,4,D,E - 5mm
  - Contact material: Silver-Nickel 90/10
  - Expected Mechanical life: 10 million operations min.
  - Operate/Release Time: 7ms/3ms typical
  - DC - UL Class F coil insulation; AC - UL Class A coil insulation
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-RT114012F	1419108-2	G	12VDC	SPDT	12A	3.78	3.30	2.98	2.36
655-RT114024F	1419108-3	G	24VDC	SPDT	12A	3.43	3.00	2.71	2.38
655-RTB14005F	2-1419108-4	G	5VDC	SPDT	12A	2.77	2.42	2.18	1.72
655-RTB14012F	2-1419108-5	G	12VDC	SPDT	12A	1.90	1.65	1.50	1.31
655-RTB14024F	2-1419108-6	G	24VDC	SPDT	12A	1.65	1.44	1.30	1.08
655-RTB14615	2-1393238-5	G	115VAC	SPDT	12A	6.64	5.80	5.24	4.13
655-RTB34012F	2-1419108-7	G	12VDC	SPST-NO	12A	3.43	3.00	2.71	2.38
655-RTB34024F	9-1419082-4	G	24VDC	SPST-NO	12A	3.94	3.44	3.11	2.46
655-RTD14005F	2-1419108-8	G	5VDC	SPDT	16A	2.52	2.35	2.12	1.68
655-RTD14012F	2-1419108-9	G	12VDC	SPDT	16A	3.02	2.64	2.39	2.08
655-RTD14024F	3-1419108-1	G	24VDC	SPDT	16A	3.02	2.64	2.39	2.08
655-RTD14615	7-1393238-5	G	115VAC	SPDT	16A	6.64	5.80	5.24	4.13
655-RTD34012F	3-1419108-6	G	12VDC	SPST-NO	16A	3.79	3.13	3.00	2.61
655-RTD34024F	3-1419108-9	G	24VDC	SPST-NO	16A	3.78	3.30	2.98	2.36
655-RTE24005F	4-1419108	G	5VDC	DPDT	8A	2.55	2.31	2.09	1.65
655-RTE24012F	3-1393237-1	G	12VDC	DPDT	8A	3.34	2.91	2.64	2.23
655-RTE24024F	3-1393237-3	G	24VDC	DPDT	8A	3.00	2.62	2.37	1.87
655-RTE44012F	4-1419108-2	G	12VDC	DPST-NO	8A	2.26	1.98	1.79	1.41

## RTX SERIES: POWER PCB RELAYS

- Contact arrangement: 1 form A (NO) contact
  - Rated voltage: 250VAC
  - Rated current: 16A
  - Mechanical endurance: >105 operations
  - Contact style and material: W pre-make contact and AgSnO2
  - Limiting making current incandescent lamps max.
  - 20ms: 200A peak, fluorescent lamps, max
  - 1.2ms: 320A peak
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-RTX3-1AT-B012	RTX3-1AT-B012	H	12VDC	SPST-NO	16A	12.85	10.87	9.59	8.72
655-RTX3-1AT-B024	RTX3-1AT-B024	H	24VDC	SPST-NO	16A	12.85	10.87	9.59	8.72

## T73/T77/T7N SERIES: 10 AMP MINIATURE PCB RELAYS

- Enclosure: T7CS - Immersion cleanable, plastic sealed case; T7CV - Vented flux-light plastic cover
  - UL Class F coil insulation system
  - \* Contact rating is 3A for T7S1D3-05, T7S1D3-12, and T7S1D3-24
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage	Contact Form	Contact Res. (Ω)	Price Each			
						1	25	50	100
655-T7S1D10-05	1393194-7	I	5VDC	SPST-NO	55	2.25	1.96	1.71	1.42
655-T7S1D10-12	1393194-9	I	12VDC	SPST-NO	320	2.28	1.99	1.80	1.42
655-T7S1D10-24	1-1393194	I	24VDC	SPST-NO	1280	2.14	1.95	1.79	1.42
* 655-T7S1D3-05	1-1393194-3	I	5VDC	SPST-NO	125	2.27	1.98	1.78	1.40
* 655-T7S1D3-12	1-1393194-5	I	12VDC	SPST-NO	720	2.08	1.88	1.75	1.42
* 655-T7S1D3-24	1-1393194-6	I	24VDC	SPST-NO	2800	2.08	1.81	1.64	1.29
* 655-T7V1D10-24	2-1393194-1	I	24VDC	SPST-NO	1280	2.26	1.97	1.78	1.41

## T75 SERIES: LOW PROFILE, HIGH CURRENT PCB RELAYS

- Enclosure: Immersion cleanable, ultrasonically sealed case
  - Contact rating: 14A
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TE Part No.	Fig.	Coil Voltage	Contact Form	Contact Res. (Ω)	Price Each			
						1	25	50	100
655-T75S5D112-05	7-1393222-6	J	5VDC	SPDT	118	4.41	3.86	3.49	2.91
655-T75S5D112-12	1393223-3	J	12VDC	SPDT	650	6.17	5.39	4.87	3.85
655-T75S5D112-24	2-1393223-8	J	24VDC	SPDT	2270	4.75	4.35	4.02	3.73

## PE SERIES: 5 AMP MINIATURE PCB RELAYS

- Specifications:**
- Flux-light for wave soldering
  - Contact material: Silver-Nickel 90/10
  - Expected Mechanical life: 15 million operations min.
  - Operate/Release/Bounce Time: 5ms/2ms/1ms typical
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
655-PE014005	PE014005	A	5VDC	SPDT	40mA	4.79	4.19	3.79	2.99
655-PE014012	PE014012	A	12VDC	SPDT	17.5mA	5.54	4.85	4.38	3.46
655-PE014024	PE014024	A	24VDC	SPDT	8.8mA	5.50	4.81	4.35	3.43

## RE SERIES: 6 AMP MINIATURE PCB RELAYS

- Specifications:**
- Fully sealed with vent hole
  - Contact material: Silver-cadmium oxide
  - Expected Mechanical life: 30 million operations min.
  - Operate/Release/Bounce Time: 6ms/1ms/1ms typical
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
655-RE030005	RE030005	B	5VDC	SPST-NO	40mA	4.37	3.82	3.45	2.98
655-RE030012	RE030012	B	12VDC	SPST-NO	16.7mA	5.25	4.59	4.15	3.28
655-RE030024	RE030024	B	24VDC	SPST-NO	4.2mA	5.26	4.59	4.16	3.28

## RYII SERIES: 8A MINIATURE POWER PCB RELAYS

- Specifications:**
- Contact form: SPDT
  - Rated current: 8A
  - Rated voltage: 250VAC
  - Contact material: Silver nickel 0.15
  - Contact assembly: Single contact
  - Conforms to UL508
- For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Case Type	Nom. Coil Current	Price Each			
						1	25	50	100
655-RY211024	RY211024	C	24VDC	Flux proof	220mW	4.70	4.12	3.71	2.93
655-RY611005	RY611005	C	5VDC	Washable	220mW	4.67	4.10	3.69	2.91
655-RY611012	RY611012	C	12VDC	Washable	220mW	4.70	4.12	3.71	2.93
655-RY611024	RY611024	C	24VDC	Washable	220mW	4.70	4.12	3.71	2.93