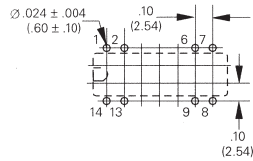
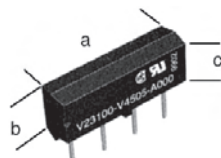


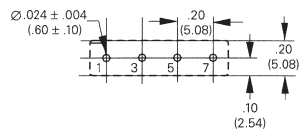
DIP VERSION



PC BOARD LAYOUT



SIP VERSION



PC BOARD LAYOUT

## V23100-V4 SERIES

### DUAL-IN-LINE AND SINGLE-IN-LINE DRY REED PC BOARD RELAYS

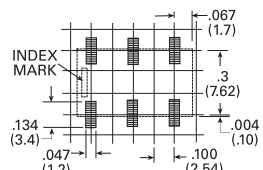
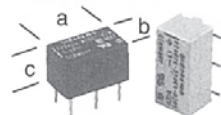
#### FEATURES:

- For use in measuring and control systems.
- Direct coil control with TTL-signals.
- IC pin compatible.
- Low operating noises and low thermoelectric voltage.
- Ultrasonic cleanable.
- High vibration and shock resistance.
- Moulded package.
- 3-10W rating.
- Approx. dimensions SIP Version: a(19.3) × b(7.62) × c(5.7h). DIP Version: a(19.8) × b(7.8) × c(5.7h).
- Weight 2g.
- Contact rating 0.5A, 180VAC/VDC, 10W/10VA (Form A), 0.25A, 175VAC/VDC, 3W/3VA (Form C), resistive.

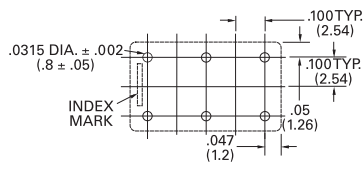
#### V23100-V4 PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
<b>DIP VERSION</b>						
V23100V4005A000	5	500	50-288	SPST	1•*	\$3.28
V23100V4012A000	12	1,000	50-288			3.28
V23100V4024A000	24	2,000	50-288			3.64
<b>SIP VERSION</b>						
V23100V4505A000	5	500	50-288	SPST	1•*	3.30
V23100V4512A000	12	1,000	50-288			3.22
V23100V4524A000	24	2,000	50-288			3.54

•Denotes UL.  
\*Denotes CSA.

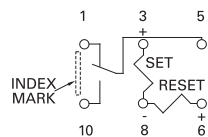


SURFACE MOUNT

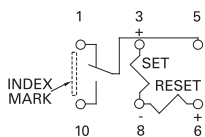


THROUGH-HOLE

P.C. BOARD LAYOUTS



NON-LATCHING



DUAL COIL LATCHING

WIRING DIAGRAMS (BOTTOM VIEWS)

## V23026 SERIES (AXICOM) MINIATURE, SEALED PC BOARD RELAY

#### FEATURES:

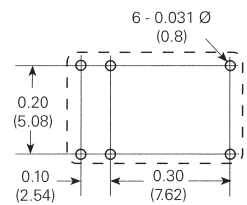
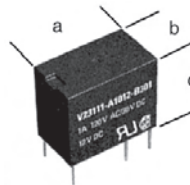
- Surface and through-hole mounting types.
- 1 Form C contact arrangement.
- Latching or non-latching versions available.

- Switches loads from dry circuit to 1 amp.
- Washable—meets IEC protection class IP67.
- Low coil power requirement for IC compatibility.
- Terminals arranged on 0.1" grid.
- Designed for compact, high density mounting, 106.6mm<sup>2</sup> surface area.
- Better protected contact area.
- Approx. dimensions a(13) × b(7.9) × c(6.9h).
- Weight 1.7g.
- Contact Rating 1A, AC or DC, 125VAC, 150VDC, 60VA, 30W resistive.
- UL File E48393, CSA File LR45064-5, CECC approved in accordance with CECC 16501-002/VDE 400.74/04.90.

#### V23026 PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
<b>NON-LATCHING THROUGH-HOLE TYPES</b>						
V23026A1001B201	5	370	67	SPDT	1•†	\$3.70
V23026A1002B201	12	2,250	64			3.61
V23026A1004B201	24	4,500	128			3.90
<b>NON-LATCHING SURFACE MOUNT TYPES</b>						
V23026D1021B201	5	313	80	SPDT	1•†	3.90
V23026D1022B201	12	1,800	80			4.79
V23026D1024B201	24	4,500	128			4.79

•Denotes UL.  
†Denotes CSA.  
‡Denotes CECC.



PC BOARD LAYOUT

## TSC SERIES MINIATURE, SEALED PC BOARD RELAYS

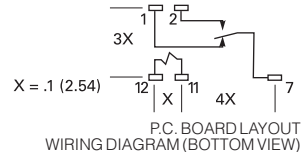
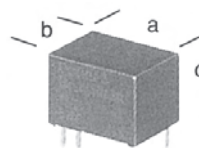
#### FEATURES:

- Designed for thermostats, modems, computer peripherals, video recording, security applications, telecom terminals and accessories.
- Low coil power requirement for IC compatibility.
- Terminals arranged on grid pattern.
- Designed for compact, high density mounting.
- 3-10W rating.
- Approx. dimensions: a(12.5) × b(7.5) × c(10.0h).
- Weight: 3g.
- Contact rating: 1A, AC or DC, 30VDC, 120VDC, 24W or 120VA, resistive.

#### TSC PRINTED CIRCUIT BOARD RELAYS

Cat. No.	Coil			Contacts		Net Price
	Input (VDC)	Res. in Ohms	Nom. Power in mW	Arrang.	Amp Rating	
<b>SENSITIVE COIL</b>						
TSC-112L3H-000	12	960	150			\$1.35

•Denotes UL.  
\*Denotes CSA.



PC BOARD LAYOUT WIRING DIAGRAM (BOTTOM VIEW)

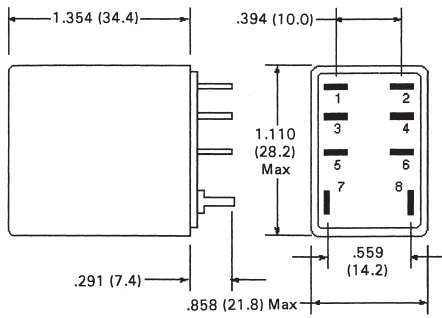
## T81 SERIES ULTRAMINIATURE, HIGH DENSITY PC BOARD RELAY

DIP terminals are arranged on a 0.1 × 0.1 (2.54 × 2.54) grid. Suggested hole diameter is .041 ± .006 (1.04 ± .13).

#### FEATURES:

- Gold clad contacts in a 1 Form C contact arrangement.
- Standard 0.1" × 0.3" grid spacing in a DIP configuration.
- Standard or sensitive DC coils through 24 volts.
- High dielectric strength.
- Immersion cleanable, plastic sealed case.
- Approx. dimensions a(15.4) × b(11.4) × c(11.0h).
- Weight 4g.
- Contact Rating 1A @ 24VDC or 0.5A @ 120VAC, resistive.
- UL File E29244, CSA File LR48471.

Continued on next page....

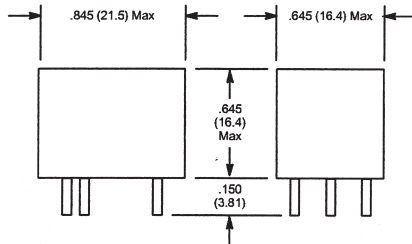


## NTE R14 SERIES GENERAL PURPOSE, 10 AMP RELAYS

**FEATURES:** Slightly larger than one cubic inch. See-thru plastic cover. Plug-in or solder terminals, will also accept .187" faston terminals. High reliability, 50 million operations. Contact material: silver cadmium oxide. Duty cycle: continuous. Operate time: 25mS or less. Release time: 25mS or less. Operating temperature: -30°C to +55°C.

Cat. No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Net Price
<b>VAC</b>					
R14-11A10-12	12	DPDT	—	1.2VA	\$23.23
R14-11A10-24	24	DPDT	—	1.2VA	23.58
R14-11A10-120	120	DPDT	—	1.2VA	24.33
<b>PC BOARD MOUNT</b>					
R14-11A10-24P	24	DPDT	—	1.2VA	23.23
<b>VDC</b>					
R14-11D10-12	12	DPDT	160	0.9W	22.71
R14-11D10-24	24	DPDT	650	0.9W	23.01
<b>PC BOARD MOUNT</b>					
R14-11D10-12P	12	DPDT	160	0.9W	22.79

**NOTE:** For other voltages and accessories contact your Electro Sonic sales representative.

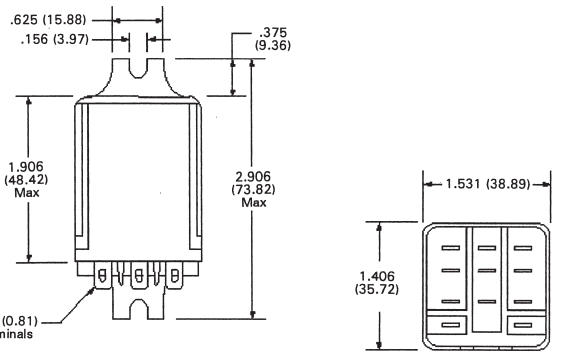


## NTE R46 SERIES GENERAL PURPOSE, 5 AND 12 AMP RELAYS

**FEATURES:** All sealed and resistant to wave soldering and cleaning. Low profile. Less than 0.53 cubic inches. Contact material: AgCdO. Operate time: 10mS max. Release time: 10mS max. Operating temperature: -40°C to +85°C. Mechanical life: 10,000,000 operations min. Ideal for security equipment, household electrical appliances, garage door openers, and audio equipment.

Cat. No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Net Price
<b>VDC, 5 AMP</b>					
R46-5D3-12	12	SPDT	400	360mW	\$8.62
<b>VDC, 12 AMP</b>					
R46-5D12-6	6	SPDT	100	360mW	7.66
R46-5D12-12	12	SPDT	400	360mW	7.66

**NOTE:** For other voltages and accessories contact your Electro Sonic sales representative.

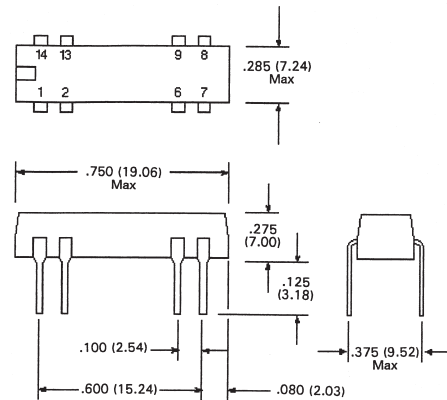


## NTE R55 SERIES GENERAL PURPOSE, FLANGE MOUNT, 20 AMP RELAYS

**FEATURES:** Clear see-thru cover. 1/4" quick connect terminals also suitable for soldering. Heavy duty contacts. Contact material: Silver cadmium oxide, gold flashed 1/4" dia. Operating temperature: -30°C to +50°C. Ideal for alarm controls and vending machines.

Cat. No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Net Price
<b>VAC</b>					
R55-11A20-120F	120	DPDT	—	2.75VA	\$38.46

**NOTE:** For other voltages and accessories contact your Electro Sonic sales representative.



## NTE R57 SERIES GENERAL PURPOSE, DIP REED 0.25 AND 0.50 AMP RELAYS

**FEATURES:** Standard industry packaging. Internal clamping diode version. Flame retardant epoxy case in immersion resistant. Resistance: 2-milliohms initial. Operating temperature: -45°C to +85°C. Life at rated load: 5 x 10<sup>6</sup> (with appropriate contact protection).

Cat. No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Max Pick-up	Net Price
<b>VDC, 0.50 AMP</b>					
R57-1D.5-12D	12	SPST-NO	1200	9.0	\$11.73
<b>VDC, 0.25 AMP</b>					
R57-5D.25-12D	12	SPDT	500	9.0	16.89

**NOTE:** For other voltages and accessories contact your Electro Sonic sales representative.