

# PC Mount Relays

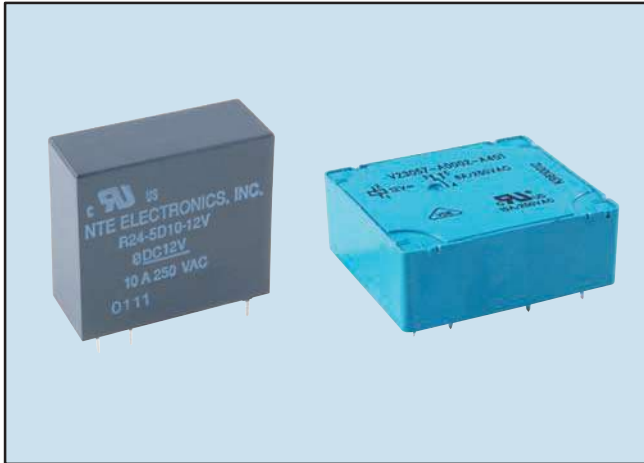
## R24 Series



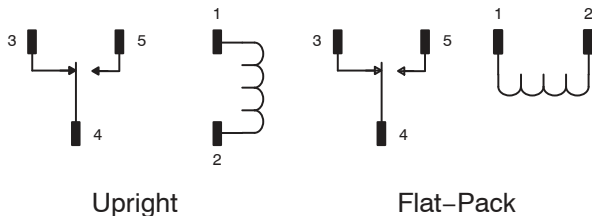
## 8 Amp & 10 Amp, SPDT Epoxy Sealed Power Relay.

### Features

- Epoxy Sealed for Wave Soldering & Cleaning
- Upright (V Suffix) or Flat-Pack (FP Suffix) Types
- High Dielectric – 4000 VRMS between Control and Switching Circuits
- Cut-Off Nib after PCB Washing
- 94 V-0 Enclosure



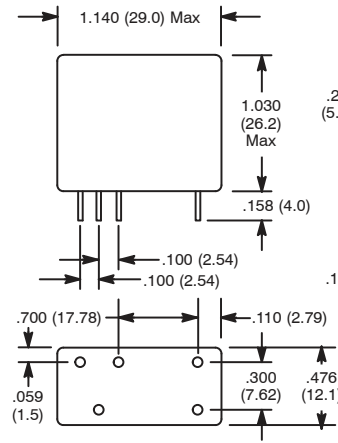
### SPDT, 1 Form "C"



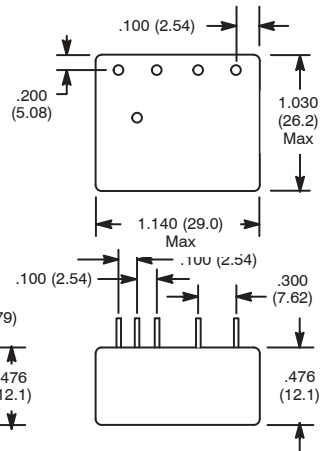
Upright

Flat-Pack

### D15a



### D15b



Cut-off nib after PCB washing to extend contact life and lower operating temperature.

## Electrical Specifications

### Contact

#### Rating Resistive Load:

10 Amp @ 380 VAC max switching (Upright)

8 Amp @ 250 VAC max switching (Flat-Pack)

**Contact Material:** Silver Cadmium Oxide (Upright)

Silver, Gold Flashed (Flat-Pack)

**Contact Resistance:** .03 Ohms Max. initial (Upright)

.05 Ohms Max. initial (Flat-Pack)

### Coil

**Coil Voltages:** See Chart

**Pick-up Voltage:** 80% of nom voltage or less @ 25°C

**Drop-out Voltage:** 10% of actual pull-in (min)

**Resistance:** See chart

**Min Sensitivity:** 400 mW

**Nominal Power:** 600 mW

### Operational Characteristics

**Timing Values . . . . Operate Time:** Approx 6 mS (Upright)

Approx 15 mS (Flat-Pack)

**Release Time:** Approx 2 mS (Upright)

Approx 10 mS (Flat-Pack)

**Max Switching Rate:** 5 operations per second

### Insulation Characteristics

#### Dielectric Strength

**Contact To Coil:** 4000 VRMS

**Across Open Contacts:** 1000 VRMS

#### Resistance:

**Contact to Coil/Frame:** 1000 megohms min.

**Across Open Contacts:** 500 Megohms min.

**Coil To Frame:** 1000 megohms Min.

### Environmental Characteristics

**Operating:** -55°C to +70°C

**Mechanical Life:** 5 x 10<sup>6</sup> operations min

### Weight

**Std:** 15 gram approx.

DC OPERATED						
NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Power	Max. Contact Cur. @ 28VDC or 120VAC	Diag No.
R24-5D10-6V	6VDC	SPDT	58	600mW	10A	D15a
R24-5D10-6FP	5/6VDC	SPDT	80	600mW	8A	D15b
R24-5D10-12V	12VDC	SPDT	215	600mW	10A	D15a
R24-5D10-12FP	12VDC	SPDT	330	600mW	8A	D15b
R24-5D10-24V	24VDC	SPDT	740	600mW	10A	D15a
R24-5D10-24FP	24VDC	SPDT	1200	600mW	8A	D15b