

# PC Mount Relays

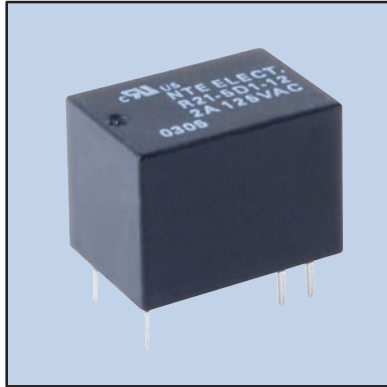
## R21 Series



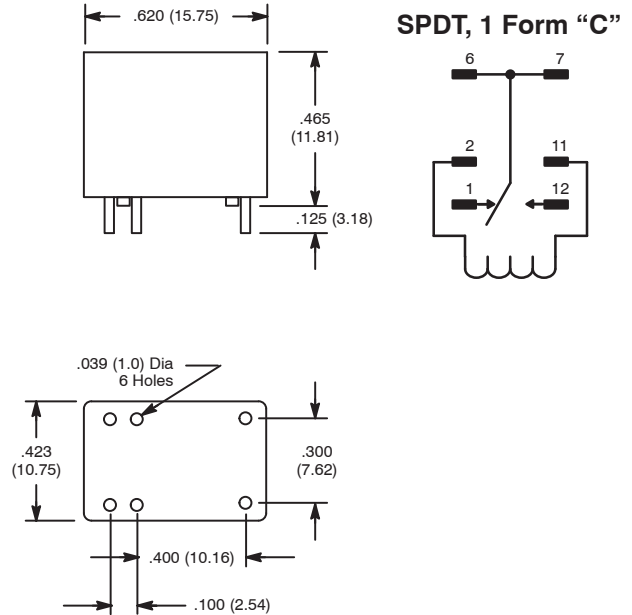
## Subminiature, 1 Amp & 2 Amp, SPDT, DC Power, Printed Circuit Mount Relays

### Features

- Subminiature Size for High Density Packaging
- Epoxy Sealed
- Class B Insulation



### D81



| DC OPERATED  |              |              |                      |            |                                     |          |
|--------------|--------------|--------------|----------------------|------------|-------------------------------------|----------|
| NTE Type No. | Nom. Voltage | Contact Arr. | Coil Res. Ohms (Typ) | Nom. Power | Max. Contact Cur. @ 30VDC or 125VAC | Diag No. |
| R21-5D1-12   | 12VDC        | SPDT         | 700                  | 200mW      | 1A                                  | D81      |
| R21-5D1-24   | 24VDC        | SPDT         | 2800                 | 200mW      | 1A                                  | D81      |
| R21-5D2-5/6  | 6VDC         | SPDT         | 100                  | 360mW      | 2A                                  | D81      |
| R21-5D2-12   | 12VDC        | SPDT         | 400                  | 360mW      | 2A                                  | D81      |
| R21-5D2-24   | 24VDC        | SPDT         | 1600                 | 360mW      | 2A                                  | D81      |

## Electrical Specifications

### Contact

**Rating:** See chart  
**Contact Material:** Silver nickel, gold plated  
**Contact Resistance:** 0.1 Ohms Max. initial

### Coil

**Coil Voltages:** See Chart  
**Drop-out Voltage:** Greater than 10% of nominal coil voltage  
**Resistance:** See Chart

### Operational Characteristics

**Timing Value** . . . . . **Operate Time:** Approx 5 mS } at nominal  
**Release Time:** Approx 1 mS } coil voltage

### Insulation Characteristics

**Dielectric Strength**  
**Contact To Coil:** 1250 VRMS  
**Across Open Contacts:** 750 VRMS  
**Insulation Resistance:** 100 megohms Min. @ 500 VDC

### Environmental Characteristics

**Operating:** -25°C to +95°C (1A Type)  
 -25°C to +85°C (2A Type)  
**Mechanical Life:** 100,000,000 operations min

### Weight

**Std:** 3.5 gram approx.