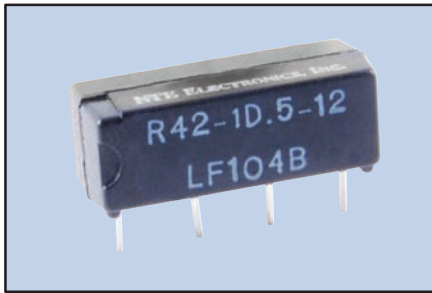


# Reed Relays

## R42 Series

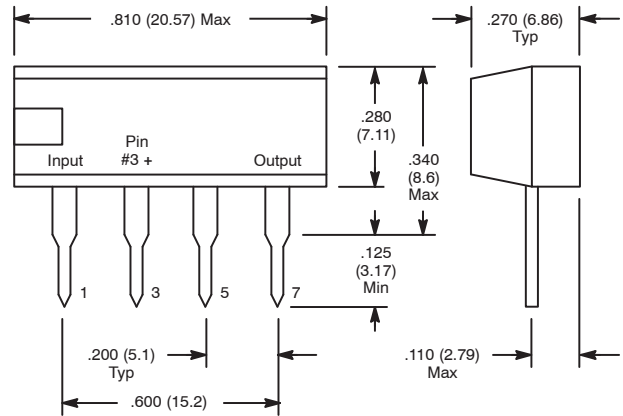
### Features

- 5 VDC Version Compatible to Operate Directly from TTL or DTL Circuits
- Internal Clamping Diode
- Flame Retardant Epoxy Package
- PC Mountable



## General Purpose, 500mA DC SPST-NO SIP Reed Relay.

### D20



DC OPERATED								
NTE Type No.	Nom. Voltage	Contact Arr.	Coil Res. Ohms (Typ)	Nom. Pwr.	Max. Cont.	Max. Pick up	Min. Drop out	Diag No.
R42-1D .5-6	5/6 VDC	SPST-NO	500	50 mW	.5 Amp	3.8 VDC	0.5 VDC	D20
R42-1D .5-12	12 VDC	SPST-NO	850	77 mW	.5 Amp	9 VDC	1 VDC	D20
R42-1D .5-24	24 VDC	SPST-NO	2200	180 mW	.5 Amp	18 VDC	2 VDC	D20

## Electrical Specifications

### Contact

**Rating:** 0.5 Amp switching current max.  
1.5 Amp carry current max.

**Resistance:** 200 milliohms max. initial

### Coil

**Coil Voltages:** See Chart

**Pick-up Voltage:** See Chart

**Drop-out Voltage:** See Chart

### Operational Characteristics

**Timing Values** . . . . . **Operate Time:** 330  $\mu$ S at nominal voltage  
**Release Time:** 150  $\mu$ S at nominal voltage

### Insulation Characteristics

#### Dielectric Strength

**Across Open Contacts:** 200 VDC  
**Contact To Contact:** 1000 VDC

### Environmental Characteristics

**Operating:** -45°C to +85°C

**Storage:** -60°C to +105°C

### Capacitance

**Across Open Contacts:** 1pf

**Open Contacts To Coil:** 2pf

### Life

**Mechanical:** 5 x 10<sup>6</sup> (50,000,000) with appropriate contact protection