

## Vacuum Relays

## VJ7B

Reference Model: (Jennings) :RJ7B



|                                                        |       |   |
|--------------------------------------------------------|-------|---|
| VJ7B                                                   | -26.5 | S |
| Mounting<br>P=Through Panel                            |       |   |
| Coil Voltage                                           |       |   |
| High Voltage/Power Terminal<br>S=Solder Pot<br>W=Screw |       |   |

| COIL RATINGS                                        |      |      |      |
|-----------------------------------------------------|------|------|------|
| Nominal, Volts dc                                   | 12   | 26.5 | 115  |
| Pick-up, Volts dc, Max                              | 8    | 18   | 80   |
| Drop-out, Volts dc                                  | .5-5 | 1-10 | 5-50 |
| Coil Resistance ( $\Omega \pm 10\%$ )               | 60   | 167  | 3500 |
| *Ratings listed are for 25 °C, sea level conditions |      |      |      |

| Contact & Relay Ratings                                                                   |                      | Units   | VJ7B      |
|-------------------------------------------------------------------------------------------|----------------------|---------|-----------|
| Contact Form                                                                              |                      |         | C         |
| Contact Arrangement                                                                       |                      |         | SPDT      |
| Test Voltage(KV Peak), Test Max., Contacts & to Base(15 $\mu$ A Leakage Max., dc or 60Hz) |                      | KV Peak | 40        |
| Rated Operating Voltage, (KV Peak), Contacts & to Base (15 $\mu$ A Leakage Max.)          | dc or 60Hz           | KV Peak | 25        |
|                                                                                           | 2.5MHz               | KV Peak | -         |
|                                                                                           | 16MHz                | KV Peak | -         |
|                                                                                           | 32MHz                | KV Peak | -         |
| Continuous Current, Carry Max.                                                            | dc or 60Hz           | Amps    | 50        |
|                                                                                           | 2.5MHz               | Amps    | 30        |
|                                                                                           | 16MHz                | Amps    | 10        |
|                                                                                           | 32MHz                | Amps    | 10        |
| Coil Hi-Pot(V RMS, 60Hz)                                                                  |                      | V       | 500       |
| Capacitance                                                                               | Across Open Contacts | pF      | 1         |
|                                                                                           | Contacts to Ground   | pF      | 2         |
| Resistance, Contact Max@ 1A, 28Vdc                                                        |                      | ohms    | 0.03      |
| Operate Time, Max.                                                                        |                      | ms      | 15        |
| Release Time, Max.                                                                        |                      | ms      | 9         |
| Mechanical Life                                                                           |                      | Cycles  | 1 million |
| Weight                                                                                    |                      | g (oz)  | 84 (3)    |
| Vibration, sine(10-2000Hz Peak)                                                           |                      | G's     | 10        |
| Shock, 1/2 sine 11ms(Peak)                                                                |                      | G's     | 50        |
| Operating Temperature Ambient                                                             |                      | °C      | -55~+125  |

