

**Kilovac K43P** *Make & Break Load Switching*



**Features:**

- High power rating; 24 Amps DC continuous current carry
- Vacuum dielectric for power switching low current loads
- Low power consumption
- Fast operating: 5 millisecond operate time
- Meets requirements of MIL-R-83725

**Kilovac K43R** *Make & Break Load Switching*



**Features:**

- Single pole, double throw contacts with latching actuator
- Vacuum dielectric for power switching low current loads
- Carries 6 amps at 32 MHz
- Meets requirements of MIL-R-83725

| PRODUCT SPECIFICATIONS                                |          |               |               |
|---|----------|---------------|---------------|
| Part Number   | Units    | K43P          | K43R          |
| Contact Arrangement .....                             |          | SPST-Latching | SPDT-Latching |
| Contact Form .....                                    |          | P             | R             |
| Test Voltage (dc or 60Hz) .....                       | kV Peak  | 11            | 11            |
| Rated Operating Voltage .....                         | kV Peak  |               |               |
| dc or 60 Hz .....                                     |          | 10            | 10            |
| 2.5 MHz .....   |          | 7             | 7             |
| 16 MHz .....  |          | 6             | 6             |
| 32 MHz .....  |          | 4             | 4             |
| Continuous Carry Current , Maximum .....              | Amps     |               |               |
| dc or 60 Hz .....                                     |          | 24            | 24            |
| 2.5 MHz .....   |          | 16            | 16            |
| 16 MHz .....  |          | 9             | 9             |
| 32 MHz .....  |          | 6             | 6             |
| Coil Hi-Pot (V RMS, 60 Hz) .....                      |          | 500           | 500           |
| Contact Capacitance .....                             | pF       |               |               |
| Between Open Contacts .....                           |          | 1.2           | 1.2           |
| Open Contacts to Ground .....                         |          | 1.2           | 1.2           |
| Contact Resistance, Maximum .....                     | ohms     | 0.02          | 0.02          |
| Operate Time, Maximum .....                           | ms       | 5             | 6             |
| Release Time, Maximum .....                           | ms       | NA            | NA            |
| Shock, 11 ms 1/2 Sine .....                           | Peak G's | 30            | 30            |
| Vibration, 7 G's Peak .....                           | Hz       | 55-2000       | 55-2000       |
| Operating Ambient Temperature Range .....             | °C       | -55 to +125   | -55 to +125   |
| Mechanical Life (Operations x 10 <sup>6</sup> ) ..... | Cycles   | 1             | 1             |
| Weight, Nominal .....                                 | oz.      | 1             | 1             |

| COIL DATA                     |      |
|-------------------------------|------|
| Nominal, Volts dc             | 26.5 |
| Latch & Reset, Volts dc, Max. | 16   |
| Drop-Out, Volts dc            | N.A. |
| Coil Resistance (Ohms ±10%)   | 80   |

Ratings listed are for 25°C, sea level conditions

**PART NUMBER SELECTION**

Sample Part No. **K43** **P** **3** **3** **4**

Contact Form \_\_\_\_\_  
P = SPST-Latching  
R = SPDT-Latching

Coil Voltage \_\_\_\_\_  
3 = 26.5 Vdc, Bus Wire

High Voltage Connections \_\_\_\_\_  
3 = Solder Connection

Mounting\* \_\_\_\_\_  
2 = Flanged  
4 = Standard

\* See page 58 for mounting methods