

**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