

**Kilovac K47A** *Make & Break Load Switching*



**Features:**

- Widely used in antenna coupler applications
- Short actuator, low profile, 8 kV relay
- Vacuum dielectric for power switching low current loads
- Normally open contacts
- Meets requirements of MIL-R-83725

**Kilovac K47B** *Make & Break Load Switching*



**Features:**

- Normally closed version of K47
- Vacuum dielectric for power switching low current loads
- 920 Ohm coil for low power consumption
- Meets requirements of MIL-R-83725
- QPL version available, M83725/18-003

PRODUCT SPECIFICATIONS			
Part Number	Units	K47A	K47B
Contact Arrangement .....		SPST-NO	SPST-NC
Contact Form .....		A	B
Test Voltage (dc or 60Hz) .....	kV Peak	9	9
Rated Operating Voltage .....	kV Peak		
dc or 60 Hz .....		8	8
2.5 MHz .....		7.5	7.5
16 MHz .....		7	7
32 MHz .....		5	5
Continuous Carry Current , Maximum .....	Amps		
dc or 60 Hz .....		12	12
2.5 MHz .....		10	10
16 MHz .....		5	5
32 MHz .....		3	3
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	0.03	0.03
Operate Time, Maximum .....	ms	10	10
Release Time, Maximum .....	ms	10	10
Shock, 11 ms 1/2 Sine .....	G's Peak	30	30
Vibration, 10 G's Peak .....	Hz	55-1000	55-1000
Operating Ambient Temperature Range .....	°C	-55 to +125	-55 to +125
Mechanical Life (Operations x 10 <sup>6</sup> ) .....	cycles	2	2
Weight, Nominal .....	oz.	0.9	0.9

COIL DATA		
Nominal, Volts dc	12	26.5
Pickup, Volts dc, Maximum	8	16
Drop-Out, Volts dc	.5 - 5	1 - 10
Coil Resistance (Ohms ±10%)	230	920

Ratings listed are for 25°C, sea level conditions

**PART NUMBER SELECTION**

Sample Part No. **K47**    **A**    **3**    **3**    **4**

Contact Form \_\_\_\_\_

A = SPST-NO  
B = SPST-NC

Coil Voltage \_\_\_\_\_

2 = 12 Vdc, Bus Wire  
3 = 26.5 Vdc, Bus Wire

High Voltage Connections \_\_\_\_\_

3 = Solder Connection

Mounting \_\_\_\_\_

2 = Flanged  
4 = Standard

See page 58 for mounting methods