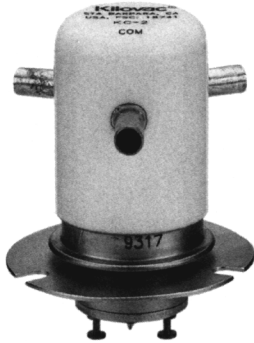


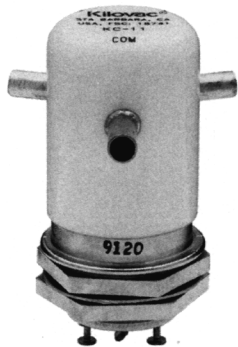
**Kilovac KC-14** *Make & Break Load Switching*



**Features:**

- Specifically designed for load switching applications
- Can power switch and isolate loads
- Replaces Kilovac KC-8 & KC-12
- Internal shield allows base to be grounded for load switching below 500 Vdc
- Meets requirements of MIL-R-83725 and SAE ARD 50031 for power switching

**Kilovac KC-18** *Make & Break Load Switching*



*HOT SWITCHING, RESISTIVE LOAD LIFE		
Voltage (Vdc)	Current (A)	Load Life (operations)
330	17	10,000
330	5	100,000
5,000	2	100,000
10,000	1	50,000

Ratings are for normally open contacts only. No testing has been performed on normally closed contacts

PRODUCT SPECIFICATIONS		
Part Number	Units	KC-14/KC18
Contact Arrangement .....		SPDT
Contact Form .....		C
Test Voltage (dc or 60Hz) .....	kV Peak	17
Rated Operating Voltage .....	kV Peak	
dc or 60 Hz .....		15
2.5 MHz .....		-
16 MHz .....		-
32 MHz .....		-
Continuous Carry Current , Maximum .....	Amps	
dc or 60 Hz .....		30
2.5 MHz .....		-
16 MHz .....		-
32 MHz .....		-
Coil Hi-Pot (V RMS, 60 Hz) .....		500
Contact Capacitance .....	pF	
Between Open Contacts .....		0.5
Open Contacts to Ground .....		1
Contact Resistance, Maximum .....	ohms	0.025
Operate Time, Maximum .....	ms	15
Release Time, Maximum .....	ms	9
Shock, 11 ms 1/2 Sine .....	Peak G's	50
Vibration, 10 G's Peak .....	Hz	50-500
Operating Ambient Temperature Range .....	°C	-55 to +125
Mechanical Life (Operations x 10 <sup>6</sup> ) .....	Cycles	1
Weight, Nomi-	oz.	3

SWITCHING UNDER LOAD	
<b>Switching below or equal to 500V</b>	
<ul style="list-style-type: none"> <li>• Relay may be on the either side of the load, and the base may be floating or grounded.</li> </ul>	
<b>Switching above 500V</b>	
<ul style="list-style-type: none"> <li>• Relay must be on the ground side of the load</li> <li>• Base must be grounded</li> </ul>	

COIL DATA			
Nominal, Volts dc	12	26.5	115
Pickup, Volts dc, Maximum	8	16	80
Drop-Out, Volts dc	.5-5	1 - 10	5-50
Coil Resistance (Ohms ±10%)	48	180	2900

Ratings listed are for 25°C, sea level conditions

PART NUMBER SELECTION			
Sample Part No.	KC-	18	/12Vdc
Model	14		
	18		
Coil Voltage	Blank = 26.5 Vdc /12Vdc = 12 Vdc /115Vdc = 115 Vdc		