Kilovac HC-1 *No Load Switching*
Kilovac HC-3 *Make & Break Load Switching*

Features:

HC-1
- Widely used for RF applications
- Vacuum dielectric for low leakage current applications
- Copper contacts for high current capability
- Not designed for power switching
- Meets requirements of MIL-R-83725
- QPL version available, M83725/5-001

HC-3
- Tungsten contacts for long life when power switching
- Vacuum dielectric for power switching low current loads

Kilovac HC-5 *Make Only Load Switching*

Features:
- Gas-filled for "make only" power switching
- SF-6 gas filled for capacitive discharge applications

PRODUCT SPECIFICATIONS

Part Number	Unit	HC-1	HC-3	HC-5
Contact Arrangement		SPDT	SPDT	SPDT
Contact Form		C	C	C
Test Voltage (dc or 60Hz)	kV Peak	5	5	5
Rated Operating Voltage	kV Peak			
dc or 60 Hz		3.5	3.5	3.5
2.5 MHz		2.5	-	-
16 MHz		2	-	-
32 MHz		1.5	-	-
Continuous Carry Current , Maximum	Amps			
dc or 60 Hz		25	18	8
2.5 MHz		14	-	-
16 MHz		9	-	-
32 MHz		7	-	-
Coil Hi-Pot (V RMS, 60 Hz)		500	500	500
Contact Capacitance	pF			
Between Open Contacts		2	-	-
Open Contacts to Ground		2.5	-	-
Contact Resistance, Maximum	Ohms	0.01	0.02	0.50*
Operate Time, Maximum	ms	6	6	6
Release Time, Maximum	ms	6	6	6
Shock, 11 ms 1/2 Sine	G's Peak	50	50	50
Vibration, 10 G's Peak	Hz	55-2000	55-2000	55-2000
Operating Ambient Temperature Range	°C	-55 to +125	-55 to +125	-55 to +125
Mechanical Life (Operations x 10^6)	cycles	2	2	1
Weight, Nominal	oz	1	1	1

* Contact resistance for gas-filled relays is measured at 28 Vdc, 1 amp

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%)	80	335	6000

Ratings listed are for 25°C, sea level conditions

PART NUMBER SELECTION

Sample Part No. HC- [1] [/12Vdc]

Model
- 1
- 3
- 5

Coil Voltage
- Blank = 26.5Vdc
- /12Vdc = 12Vdc
- /115Vdc = 115Vdc