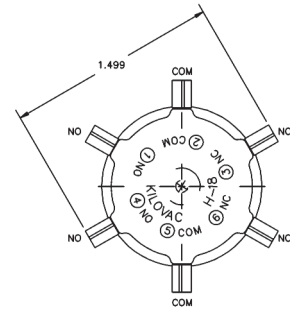
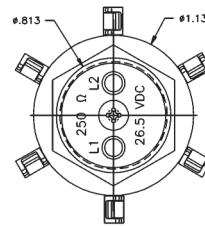
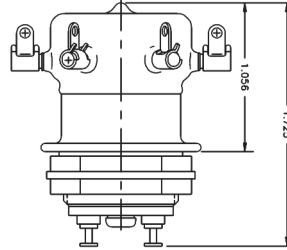
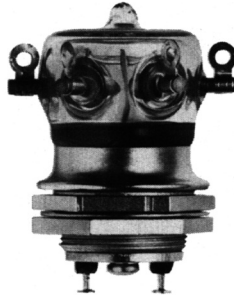


H-18 Series Make & Break Load Switching — 8 kV Relays

Product Facts

- Smallest DPDT high voltage relay
- Vacuum dielectric for power switching low current loads
- 8 kV rating; carries 2 Amps at 32 MHz
- Tungsten contacts for power switching low current loads
- Meets requirements of MIL-R-83725



Product Specifications

Contact Arrangement — DPDT

Contact Form — 2C

Test Voltage, DC or 60 Hz (Peak) — 10 kV

Rated Operating Voltage (Peak) —
 DC or 60 Hz — 8 kV
 2.5 MHz — 5 kV
 16 MHz — 3 kV
 32 MHz — 2 kV

Continuous Carry Current, Max. —
 DC or 60 Hz — 10 A
 2.5 MHz — 7 A
 16 MHz — 3 A
 32 MHz — 2 A
 Coil Hi-Pot (Vrms, 60 Hz) — 500 A

Contact Capacitance —
 Between Open Contacts — 0.8 pF
 Open Contacts to Ground — 1.5 pF

Contact Resistance, Max. — 0.02 ohm

Operate Time, Max. — 15 ms

Release Time, Max. — 15 ms

Shock, 11ms, 1/2 Sine (Peak) — 30 g

Vibration —
 Peak — 10 g (55 to 500 Hz)

Operating Ambient Temperature Range — -55°C to +125°C

Mechanical Life — 1 million cycles

Weight, Nominal — 70.87 g (2.5 oz.)

Coil Data

Volts, Nominal DC	12 V	26.5 V	115 V
Pickup, Max.	8 Vdc	16 Vdc	80 Vdc
Dropout	5-5 Vdc	1-10 Vdc	5-50 Vdc
Coil Resistance (±10%)	60 Ω	250 Ω	3500 Ω

Ordering Information

Sample Part Number ►

Series: H-18 /12Vdc

Model: H-18

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

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or 805-220-2055.

Mouser Electronics

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[H-18/S13](#) [H-18](#) [H-18/S5](#) [H-18/S19](#)