

# MC1-K40

# SPDT, K, DC-40GHz

The **MC1-K40** Series features K connectors and an operation frequency range of DC upto 40 GHz. This series is available with failsafe, latching self-cutoff or pulse latching, TTL, and coil suppression options. Its failsafe type (patent-pending) offers extremely low power consumption (<1.5w) during the operation.



## Specifications

Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25° C to +65° C (Standard) -55°C to +85°C ("e" option)
Relative Humidity	5 to 85%
Operation Life (cycles)	1,000,000 (Standard) 5,000,000 ("h" option)
Vibration (operating)	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	50g

Voltage (VDC)		12	18	24	28
Current (mA)	Failsafe	190	136	98	83
	Latching	200	119	90	71

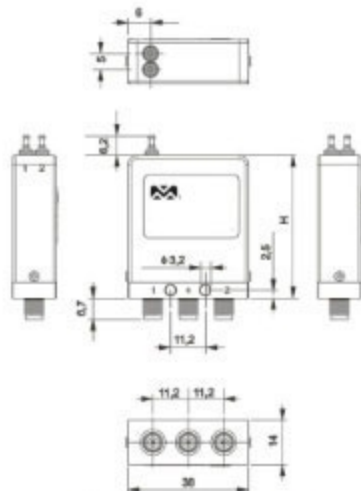
\* Contact company if reduced coil current is required. Other coil voltage options are available upon request.

## Standard

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.3	0.3	70
6-12	1.4	0.4	60
12-18	1.5	0.5	60
18-26.5	1.7	0.7	55
26.5-32	1.9	0.8	50
32-40	2	1	50

## High Performance Option ("h")

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-1	1.1	0.10	90
DC-6	1.2	0.15	80
6-12	1.2	0.15	80
12-18	1.3	0.25	70
18-26.5	1.7	0.5	60
26.5-32	1.9	0.5	55
32-40	1.9	0.8	55



Mechanical drawings. (unit: mm)

H = 40 mm  
H = 50 mm for options with TTL  
and/or self cutoff