

# MC3-K40

# 1P6T, K, DC-40GHz

MC3n: n=3-6 (e.g., n=6 for 1P6T)

**NORMALLY OPEN**

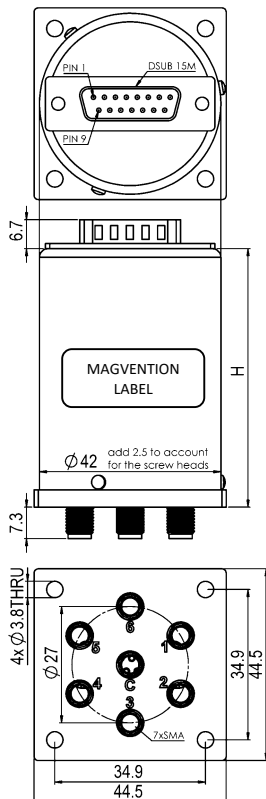
The **MC3-K40** Series features SMA connectors and an operation frequency range of DC to 40 GHz. This series is of normally open type. Options include TTL, coil suppression diodes, indicators etc. The product is typically supplied with a 15-pin male D-sub control interface.



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)				
Vibration (operating)	10G RMS, 20-2000Hz				
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec				
Weight (approx.)	190g				
Voltage (VDC)		12	18	24	28
Current (mA)	NORMALLY OPEN	270	180	150	130

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	1.9	0.8	50
26.5-40	2	1	50

Other options are available upon request.



### Optional Indicator Specifications

Max withstand voltage: 60V  
Max current capacity: 100mA  
Max "ON" resistance: 16Ω

Note: +VDC and -C must be connected to operate.

- MC33-,1P3T SWITCH
- MC34-,1P4T SWITCH
- MC35-,1P5T SWITCH
- MC36-,1P6T SWITCH

### 1PnT PORT CONFIGURATIONS

1PnT	Ports Used					
1P6T	1	2	3	4	5	6
1P5T	1	2	3	4	5	
1P4T	1	2	4	5		
1P3T	1	3	5			

Note: "Blank" represents the unused RF and corresponding control ports.

H = 62 mm (max)  
H = 72 mm (max) for options with TTL and/or self cutoff

(A low profile version of this product is available upon request)

Mechanical drawings (unit: mm, tolerance +/-0.5mm).

### NORMALLY OPEN 15-PIN D-SUB PINOUT

Pin No.	PINOUT
n=1-6	Vn ( Jn-COM )
7	COM(-)
8	1 (IND: J1-C)
9	2 (IND: J2-C)
10	3 (IND: J3-C)
11	4 (IND: J4-C)
12	5 (IND: J5-C)
13	6 (IND: J6-C)
14	COM_I
15	+VDCI

Pin 8-15: For optional INDICATORS only.

### NORMALLY OPEN TTL 15-PIN D-SUB PINOUT

Pin No.	PINOUT
n=1-6	An ( Jn-COM )
7	COM(-)
8	1 (IND: J1-C)
9	2 (IND: J2-C)
10	3 (IND: J3-C)
11	4 (IND: J4-C)
12	5 (IND: J5-C)
13	6 (IND: J6-C)
14	COM_I
15	+VDC

Pin 8-14: For optional INDICATORS only.

Pin 1-6: The corresponding control signal inputs.

