

MC1

SPDT, SMA/K(2.92mm), DC-40GHz

LATCHING

The MC1 Series features SMA or K connectors and an operation frequency range of DC to 40GHz. This series can be either failsafe or latching type. Available options include TTL, self-cutoff or pulse latching, indicator, and coil suppression, etc.



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.)	70g

Standard

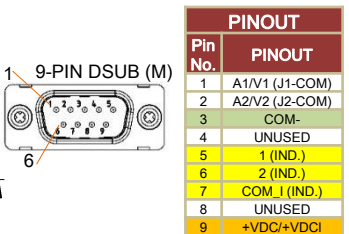
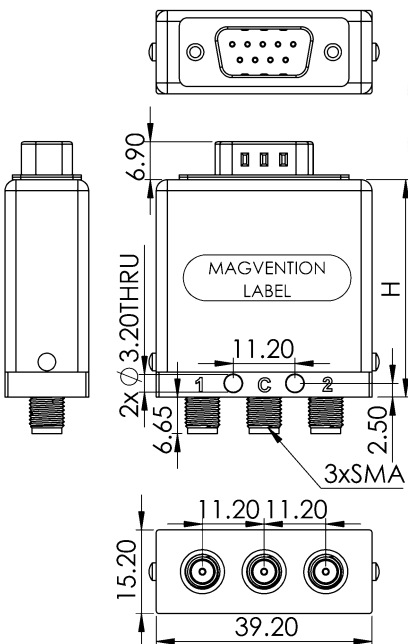
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.20	0.20	70
6-12	1.30	0.25	70
12-18	1.40	0.40	60
18-26.5	1.70	0.70	55
26.5-32	1.90	0.80	50
32-40	2.00	1.00	50

High Performance Option ("h")

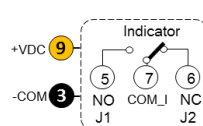
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-1	1.1	0.10	90
DC-6	1.2	0.15	80
6-12	1.2	0.15	80
12-18	1.3	0.25	70
18-26.5	1.7	0.50	60
26.5-32	1.9	0.50	55
32-40	1.9	0.80	55

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

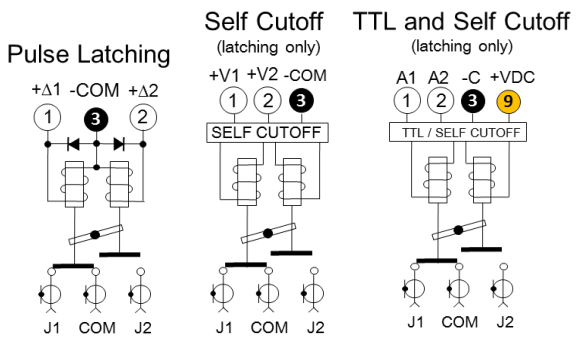
Solder Pins or DSUB 9



Optional Indicator Specifications
 Max withstand voltage: 60V
 Max current capacity: 100mA
 Max "ON" resistance: 16Ω
 Note: +VDC and -C must be connected to operate.



H = 40 (max)
 H = 50 (max) for options with TTL and/or self cutoff
 H = 60 (max) with Indicators



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