

The **MC4-N12** Series features N-type connectors and an operation frequency range of DC to 12.4GHz. This series is available with failsafe, latching self-cutoff or pulse latching, TTL, and coil suppression options.

### 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)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	260g

Voltage (VDC)		12	18	24	28
Current (mA)	Failsafe	270	220	150	110

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

Note: The listed coil currents are for the model with standard power. Consult with the company for the high-power versions.



Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-2	1.15	0.20	80
2-4	1.20	0.25	80
4-12.4	1.50	0.50	60

Note: The listed RF results are for the model with standard power. Consult with the company for the high-power versions.

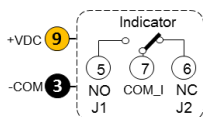
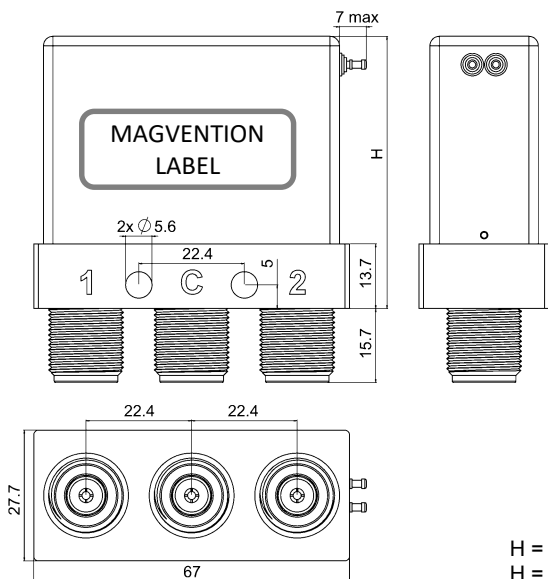
### Solder Pins or DSUB 9

PINOUT	
Pin No.	PINOUT
1	A1/V1 (J1-COM)
2	UNUSED
3	COM-
4	UNUSED
5	1 (IND.)
6	2 (IND.)
7	COM 1 (IND.)
8	UNUSED
9	+VDC/+VDCI

#### Optional Indicator Specifications

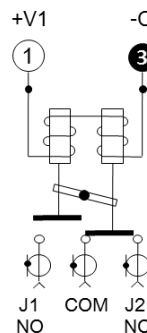
Max withstand voltage: 60V  
Max current capacity: 100mA  
Max "ON" resistance: 16Ω

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

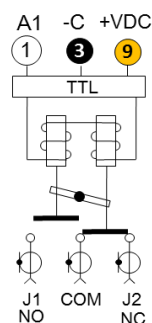


H = 58 mm (max)  
H = 69 mm (max) for options with TTL and/or self cutoff

#### Failsafe



#### Failsafe TTL



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