

MC7-N

DPDT, N, DC-12.4GHz

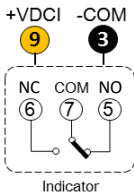
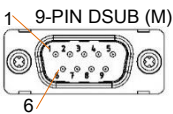
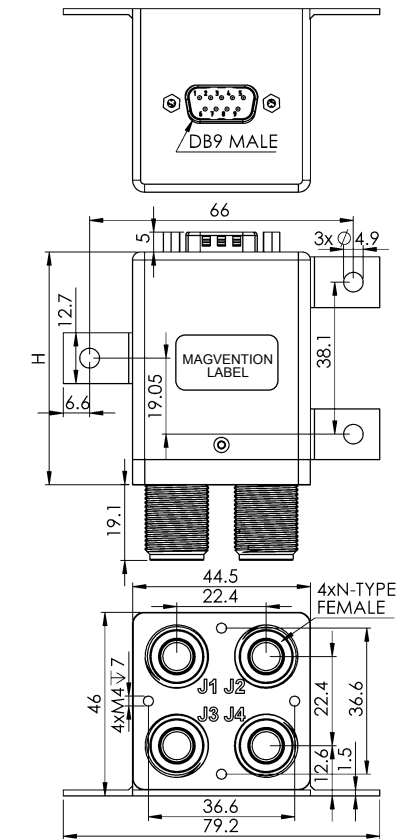
FAILSAFE

The MC7-N product features N-type connectors and an operation frequency range of DC to 12.4 GHz. This product can be of latching or failsafe type. The options include TTL, SELF CUTOFF, suppression diodes, and indicators. Higher frequency range is available upon request.

Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Operating Temperature Range	-25°C to +65°C -55°C to +85°C ("e" option)
Relative Humidity	95%±3% (30~60°C±5°C)
Operation Life (cycles)	1,000,000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	350g

Voltage (VDC)		12	18	24	28
Current (mA) (max)	Failsafe	550	370	270	240

Other options are available upon request.



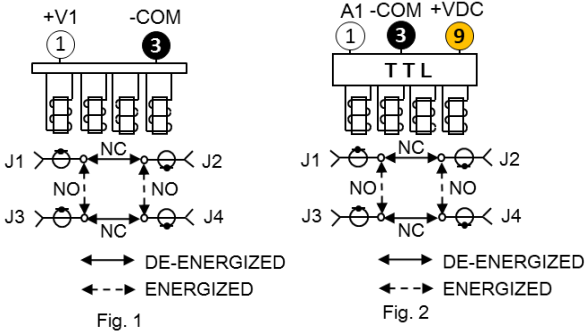
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-2	1.15	0.20	80
2-4	1.20	0.25	70
4-12.4	1.50	0.50	50

PINOUT	
Pin No.	PINOUT
1	A1/V1 (NO: J1-J3, J2-J4)
2	UNUSED
3	COM-
4	UNUSED
5	1 (IND.) (NO: J1-J3, J2-J4)
6	2 (IND.) (NC: J1-J2, J3-J4)
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.



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

MC7-N12

DPDT, N, DC-12.4GHz

LATCHING

The MC7-N product features N-type connectors and an operation frequency range of DC to 12.4 GHz. This product can be of latching or failsafe type. The options include TTL, SELF CUTOFF, suppression diodes, and indicators. Higher frequency range is available upon request.

Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Operating Temperature Range	-25°C to +65°C
	-55°C to +85°C ("e" option)
Relative Humidity	95%±3% (30~60°C±5°C)
Operation Life (cycles)	1,000,000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	350g

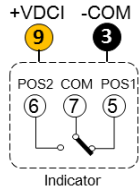
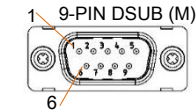
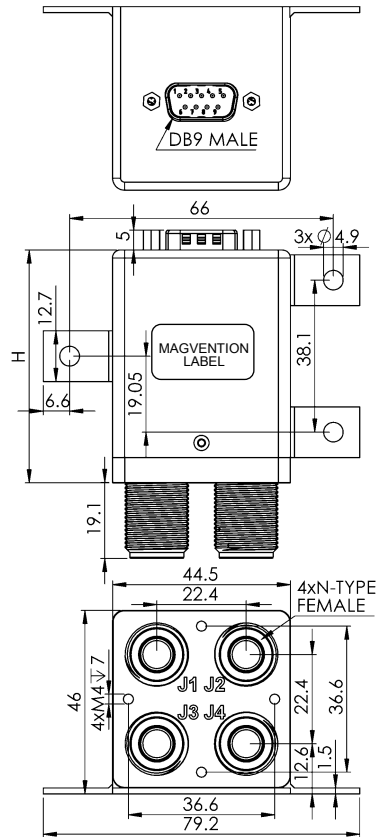
Voltage (VDC)		12	18	24	28
Current (mA) (max)					
	Latching	310	280	240	180

Other options are available upon request.



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	70
4-12.4	1.50	0.50	50

Higher frequency ranges are available upon request.



H = 64 mm (max)

PINOUT	
Pin No.	PINOUT
1	A1/V1 (POS1: J1-J3, J2-J4)
2	A2/V2 (POS2: J1-J3, J2-J4)
3	COM-
4	UNUSED
5	1 (IND.)
6	(POS1: J1-J3, J2-J4)
7	COM_1 (IND.)
8	UNUSED
9	+VDCI/+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.

