

# 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.

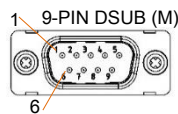
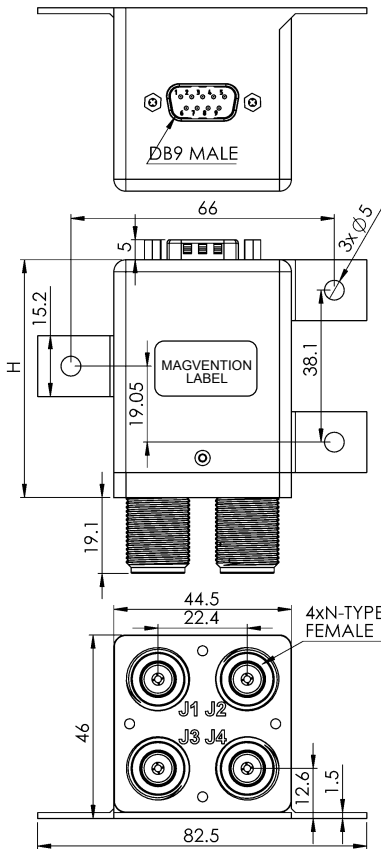


Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Operating Temperature Range	-25°C to +65°C -55°C to +85°C ("e" option)
Relative Humidity	95% ± 3% (30~60°C ± 5°C)
Operation Life (cycles)	1,000,000
Vibration Operating	10G RMS, 20-2000Hz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

Voltage (VDC)		12	18	24	28
Current (mA) (max)	Fail-safe	310	250	200	180

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

Other options are available upon request.



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.

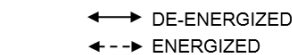
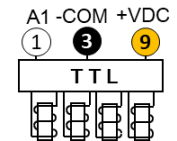
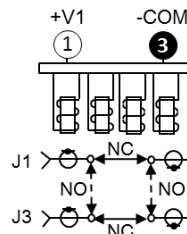
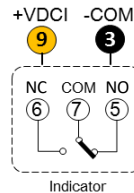


Fig. 1

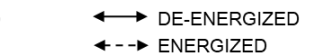


Fig. 2

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