

MCG12-N

1P12T, N, DC-1GHz

MCGn: n=9-12 (e.g., n=12 for 1P12T)

NORMALLY OPEN

The **MCG12-N** product features 1P12T with N-type connectors and an operation frequency range from DC to 1 GHz. This product is of normally-open type. The options include TTL, suppression diodes, indicators, and low PIM. The product typically comes with a DB15M socket.



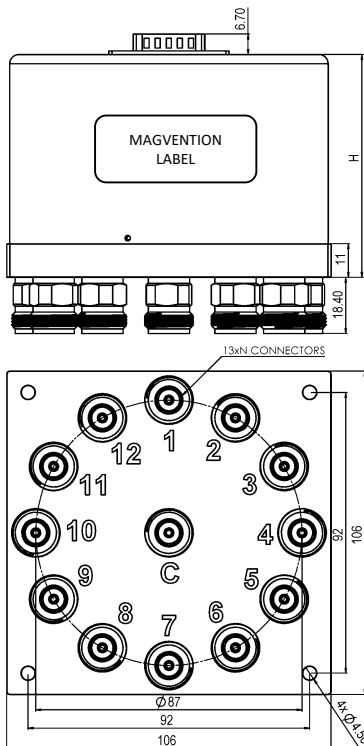
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-1	1.2	0.20	70

Higher frequency ranges are available upon request.

Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C
	-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.)	

Voltage (VDC)		12	18	24	28
Current (mA)	NORMALLY OPEN	290	145	140	100

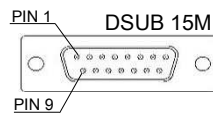
Other options are available upon request.



1PnT PORT CONFIGURATIONS												
1PnT	Ports Used											
1P12T	1	2	3	4	5	6	7	8	9	10	11	12
1P11T	1	2	3	4	5	6	7	8	9	10	11	
1P10T	1	2	3		5	6	7	8	9		11	12
1P9T	1	2	3		5	6	7		9	10	11	

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

MCG12-, 1P12T SWITCH
 MCG11-, 1P11T SWITCH
 MCG10-, 1P10T SWITCH
 MCG9-, 1P9T SWITCH



H = 75 mm max (no TTL)

Optional Indicator Specifications

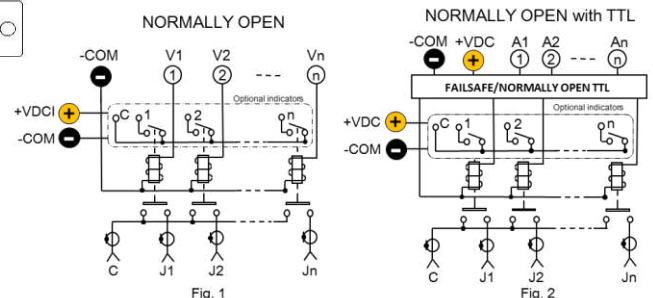
Max withstand voltage: 60V
 Max current capacity: 100mA
 Max "ON" resistance: 16Ω

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

NORMALLY OPEN 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-12	Vn (Jn-COM)
13	COM(-)
14-15	UNUSED

NORMALLY OPEN with TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-12	An (Jn-COM)
13	COM(-)
14	UNUSED
15	+VDC

Pin 1-12: The corresponding control signal inputs.



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