

MCLn: n=11-12 (e.g., n=12 for 1P12T)

NORMALLY OPEN

The **MCL12** product features SMA connectors and an operation frequency range of DC to 16 GHz. Higher frequency ranges are available. This product is of failsafe type with a compact design. The product options include TTL, suppression diodes, indicators, etc.



Specifications

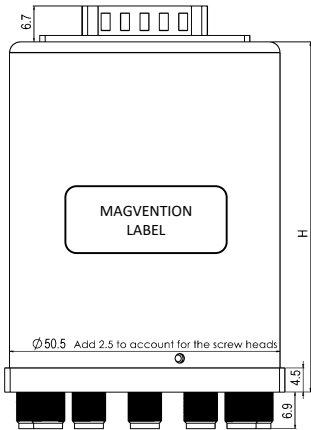
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C -55°C to +85°C ("e" option)
Relative Humidity	5 to 85%
Operation Life (cycles)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	280g

Voltage (VDC)		12	18	24	28
Current (mA)	NORMALLY OPEN	290	145	125	100

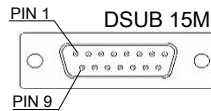
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-4	1.2	0.2	70
4-8	1.4	0.4	65
8-12.4	1.5	0.6	60
12.4-16	1.6	0.6	60

Higher frequency ranges are available upon request.

Other options are available upon request.

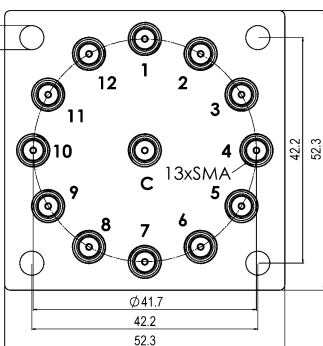


MCL11-,1P11T SWITCH
MCL12-,1P12T SWITCH



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 = 62 (max) (STANDARD)
= 72 (max) (with TTL)



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

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	

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

Pin No.	PINOUT
n=1-12	Vn (Jn-COM)
13	COM(-)
14-15	UNUSED

Pin No.	PINOUT
n=1-12	An (Jn-COM)
13	COM(-)
14	UNUSED
15	+VDC

Pin 1-10: The corresponding control signal inputs.

