

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

The **MCL12** product features SMA connectors and an operation frequency range of DC to 18 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
Relative Humidity	5 to 85%
Operation Life (cycles)	1,000,000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec

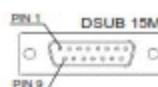
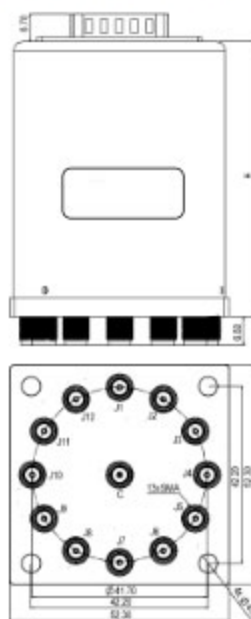
Voltage (VDC)		12	18	24	28
Current (mA)	Failsafe	290	145	125	100



Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-3	1.30	0.30	90
3-8	1.40	0.40	80
8-18	1.80	0.80	70

MCL11-1P11T SWITCH
MCL12-1P12T SWITCH

Other options are available upon request.



FAILSAFE 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-10	Vn (Jn-COM)
11	COM(-)
12-15	UNUSED

FAILSAFE TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-10	Vn (Jn-COM)
11	COM(-)
12-14	UNUSED
15	+VDC

Pin 1-10: The corresponding control signal inputs.

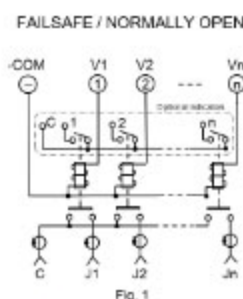


Fig. 1

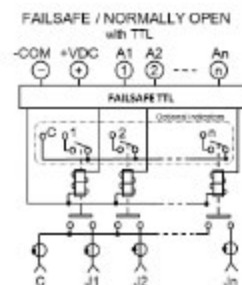


Fig. 2

H = 71 (max) (with TTL)

Mechanical drawings. (unit: mm)