

MC0nT: n=9-10 (e.g., n=10 for 1P10T)

**NORMALLY OPEN
or LATCHING**

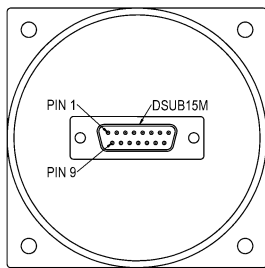
The **MC0nT-S18** product features SMA connectors and an operation frequency range of DC to 18 GHz. This product can be of normally-open or latching type with internal self-terminations. The options include TTL, SELF CUTOFF, and suppression diodes, etc.



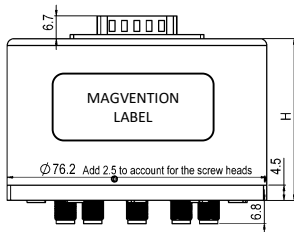
Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.3	0.3	80
6-12	1.4	0.4	70
12-18	1.6	0.8	60

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.)	380g

Voltage (VDC)		12	18	24	28
Current (mA)	Normally Open	330	220	167	140
	Latching (set)	290	225	150	120



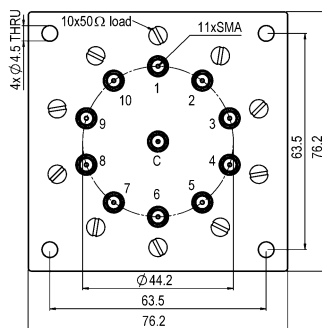
NOTE: For LATCHING, I(reset) = n x I(set). Other options are available upon request.



MC10-,1P10T SWITCH
MC09-,1P9T SWITCH

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

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



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

H = 50 (max) (STANDARD)
= 60 (max) (with TTL)
= 65 (max) (with INDICATORS)

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

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

LATCHING (PULSE) 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-10	+ΔVn (Jn-COM)
11	COM(-)
12	+ΔVR (Reset ALL OPEN)
13-15	UNUSED

LATCHING TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-10	An (Jn-COM)
11	COM(-)
12	AR (Reset ALL OPEN)
13-14	UNUSED
15	+VDC

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

LATCHING TTL&SELF CUTOFF 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-10	An (Jn-COM)
11	COM(-)
12-14	UNUSED
15	+VDC

Pin 1-10: The corresponding control signal inputs.

Note: For the SELF CUTOFF, a "RESET ALL" option is available upon request.

For options with INDICATORS, a 26PIN DSUB connector will be provided. Contact factory for the corresponding pin outs.