

MC6-T

1P6T, TNC, DC-18GHz

MC6n: n=3-6 (e.g., n=6 for 1P6T)

NORMALLY OPEN

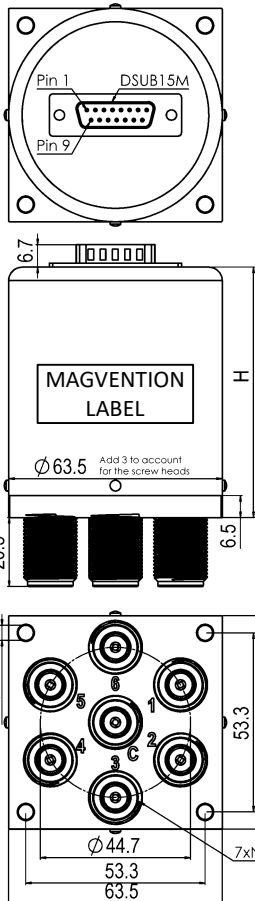
The MC6-T Series features TNC-type connectors and an operation frequency range from DC to 18 GHz. This series is of NORMALLY OPEN type with or without TTL, coil suppression diodes, and indicator options.

Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	-25°C to +65°C (Standard) -55°C to +85°C ("e" option)
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
Weight (approx.)	120g

Voltage (VDC)		12	18	24	28
Current (mA)	Standard	140	100	70	60



Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.4	0.4	70
6-12.4	1.6	0.6	60
12.4-18	1.8	0.8	50



Other options are available upon request.

Optional Indicator Specifications
 Max withstand voltage: 60V
 Max current capacity: 100mA
 Max "ON" resistance: 16Ω
 Note: +VDC and -C must be connected to operate.

- MC63-, 1P3T SWITCH
- MC64-, 1P4T SWITCH
- MC65-, 1P5T SWITCH
- MC66-, 1P6T SWITCH

1PnT PORT CONFIGURATIONS	
1PnT	Ports Used
1P6T	1 2 3 4 5 6
1P5T	1 2 3 4 5
1P4T	1 2 4 5
1P3T	1 3 5

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

H = 66 mm (max)
 H = 76 mm (max) for options with TTL

Note: The listed RF results are for the model with standard power. Consult with the company for the high-power versions.

NORMALLY OPEN 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-6	Vn (Jn-COM)
7	COM(-)
8	1 (IND: J1-C)
9	2 (IND: J2-C)
10	3 (IND: J3-C)
11	4 (IND: J4-C)
12	5 (IND: J5-C)
13	6 (IND: J6-C)
14	COM_I
15	+VDCI

PIN 8-15: For optional INDICAOTRS only.

Pin 1-6: The corresponding control signal inputs.

NORMALLY OPEN TTL 15-PIN D-SUB PINOUT	
Pin No.	PINOUT
n=1-6	An (Jn-COM)
7	COM(-)
8	1 (IND: J1-C)
9	2 (IND: J2-C)
10	3 (IND: J3-C)
11	4 (IND: J4-C)
12	5 (IND: J5-C)
13	6 (IND: J6-C)
14	COM_I
15	+VDC

PIN 8-14: For optional INDICAOTRS only.

