

# MC3 -s

# short, 1P6T, SMA, DC-18GHz

MC3n-SxxNxx-s: n=3-6 (e.g., n=6 for 1P6T), short (low profile version)

Normally Open

The **MC3-S18** Series features SMA connectors and an operation frequency range of DC to 18 GHz. This series is of normally open type. Options include TTL, coil suppression diodes, indicators etc. The product is typically supplied with a 15-pin male D-sub control interface.

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 (Standard)				
Vibration (operating)	10G RMS, 20-2000Hz				
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec				
Weight (approx.)	190g				

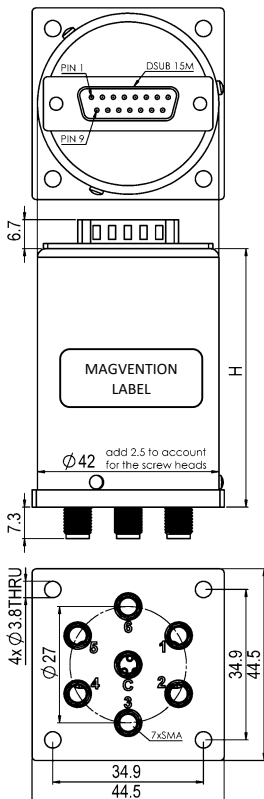
Voltage (VDC)		12	18	24	28
Current (mA)	NORMALLY OPEN	300	210	170	150



Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-6	1.3	0.3	70
6-12	1.4	0.4	60
12-18	1.5	0.5	60

Other options are available upon request.

Higher frequency ranges (with K-connectors) are also available upon request.



MC33-, 1P3T SWITCH  
MC34-, 1P4T SWITCH  
MC35-, 1P5T SWITCH  
MC36-, 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 = 52 mm (max)  
H = 62 mm (max) for options with TTL and/or self cutoff

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

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 INDICATORS only.

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 INDICATORS only.

Pin 1-6: The corresponding control signal inputs.

