MCR18-S04

1P18T, SMA, DC-4GHz

MCRn: n=13-18 (e.g., n=18 for 1P18T)

NORMALLY OPEN

The **MCR18** product features SMA connectors and an operation frequency range of DC to 4 GHz. Higher frequency ranges are available. This product is of normally-open type with a compact design. The product options include TTL, BCD, suppression diodes, indicators, etc.

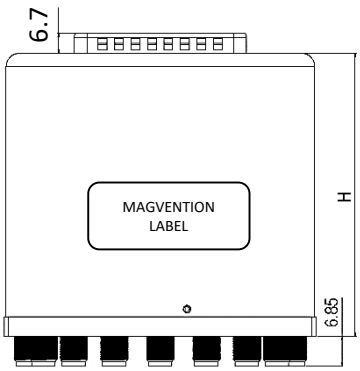
Specifications	
Contact Material	Plated Au
Switching Sequence	Break before Make
Switching Time (max)	15msec
Impedance	50Ω
Temperature Range	–25°C to +65°C
	–55°C to +85°C (“e” option)
Relative Humidity	5 to 85%
Operation Life (cycles)	1000000
Vibration Operating	10G RMS, 20-2000Hz
Mechanical Shock (non-operating)	50G, 1/2 Sine, 11msec
Weight (approx.)	380g

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

Other options are available upon request.

Frequency Range (GHz)	VSWR (max)	Insertion Loss (dB) (max)	Isolation (dB) (min)
DC-1	1.15	0.15	90
1-4	1.25	0.25	80

Higher frequency ranges are available upon request.



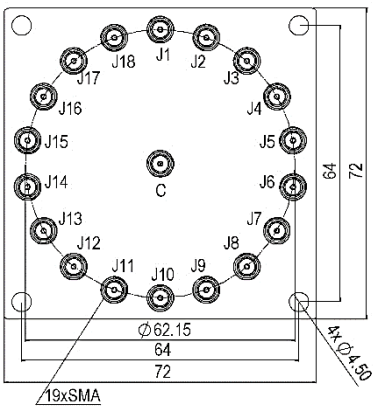
1PnT PORT CONFIGURATIONS

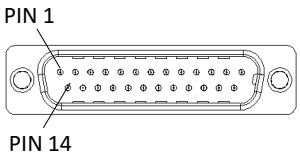
1PnT	Ports Used																	
1P18T	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1P17T	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1P16T	1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17	
1P15T	1	2	3	4	5		7	8	9	10	11		13	14	15	16	17	
1P14T	1	2	3		5	6	7	8		10	11	12	13		15	16	17	
1P13T	1	2		4	5	6		8	9	10		12	13	14		16	17	

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

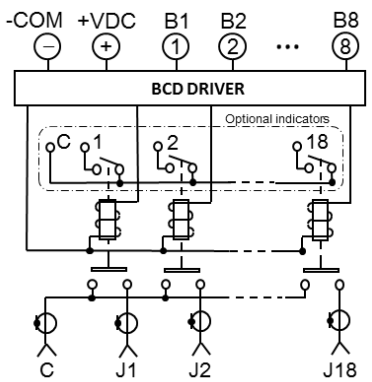
A 2-row 25-pin D-sub male connector will be provided.

25-PIN D-SUB PINOUT	
Pin No.	PINOUT
1	B1
2	B2
3	B3
4	B4
5	B5
6	B6
7	B7
8	B8
9	COM(-)
10-24	UNUSED
25	+VDC





A BCD DRIVING INTERFACE WILL BE PROVIDED FOR THE “-5” OPTION.



H = 71 (max) (with TTL)

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