

MCJn: n=7-10 (e.g., n=10 for 1P10T)

The **MCJ10** series features SMA connectors and an operation frequency range of DC to 4 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 |

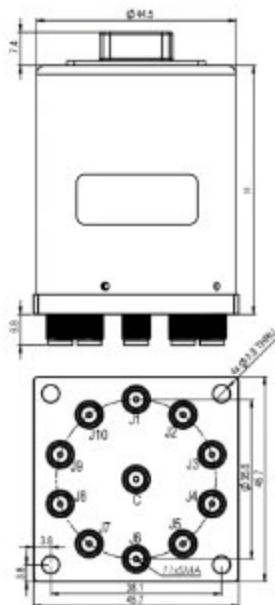
| Voltage (VDC) | 12 | 18 | 24 | 28 |
|-----------------------|-----|-----|-----|-----|
| Current (mA) Failsafe | 290 | 145 | 125 | 100 |

Other options are available upon request.



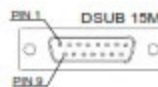
| Frequency Range (GHz) | VSWR (max) | Insertion Loss (dB) (max) | Isolation (dB) (min) |
|-----------------------|------------|---------------------------|----------------------|
| DC-4 | 1.2 | 0.2 | 70 |
| 4-8 | 1.3 | 0.3 | 65 |
| 8-12.4 | 1.4 | 0.4 | 60 |
| 12.4-18 | 1.6 | 0.6 | 55 |

MCJ7-, 1P7T SWITCH
 MCJ8-, 1P8T SWITCH
 MCJ9-, 1P9T SWITCH
 MCJ10-, 1P10T SWITCH



H = 61 (max) (STANDARD)
 = 71 (max) (with TTL)

Mechanical drawings. (unit: mm)



| 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 | An (Jn-COM) |
| 11 | COM(-) |
| 12-14 | UNUSED |
| 15 | +VDC |

Pin 1-10: The corresponding control signal inputs.

FAILSAFE / NORMALLY OPEN

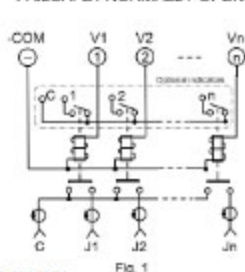


Fig. 1

FAILSAFE / NORMALLY OPEN with TTL

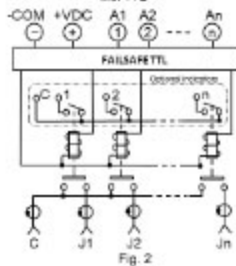


Fig. 2