

The **MC4-SC06** Series features SC-type connectors and an operation frequency range of DC to 6GHz. This series is available with failsafe, latching self-cutoff or pulse latching, TTL, and coil suppression options.

FAILSAFE or LATCHING



Photo shown is a standard MC4-N-type.

| Specifications | |
|----------------------------------|--|
| Contact Material | Plated Au |
| Switching Sequence | Break before Make |
| Switching Time (max) | 15msec |
| Impedance | 50Ω |
| Temperature Range (operating) | -25°C to +65°C (Standard) -55°C to +85°C ("e" option) |
| Temperature (storage) | -55° C to +70° C |
| 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.) | 260g |

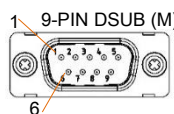
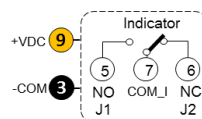
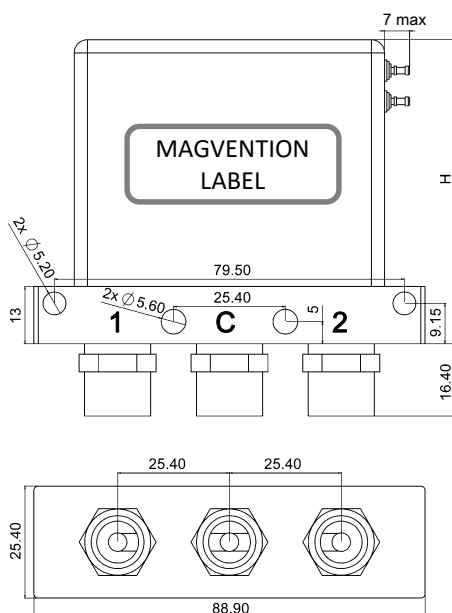
| Frequency Range (GHz) | VSWR (max) | Insertion Loss (dB) (max) | Isolation (dB) (min) |
|-----------------------|------------|---------------------------|----------------------|
| DC-2 | 1.15 | 0.20 | 70 |
| 2-4 | 1.30 | 0.30 | 60 |
| 4-6.5 | 1.50 | 0.50 | 60 |

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

| Voltage (VDC) | | 12 | 18 | 24 | 28 |
|---------------|----------|-----|-----|-----|-----|
| Current (mA) | Failsafe | 270 | 220 | 150 | 110 |
| | Latching | 310 | 250 | 170 | 130 |

- Contact company if reduced coil current is required. Other coil voltage options are available upon request.

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



Optional Indicator Specifications

Max withstand voltage: 60V
Max current capacity: 100mA
Max "ON" resistance: 16Ω

Note: +VDC and -C must be connected to operate.

Solder Pins or DSUB 9

| FAILSAFE | |
|----------|----------------|
| Pin No. | PINOUT |
| 1 | A1/V1 (J1-COM) |
| 2 | UNUSED |
| 3 | COM- |
| 4 | UNUSED |
| 5 | 1 (IND.) |
| 6 | 2 (IND.) |
| 7 | COM_1 (IND.) |
| 8 | UNUSED |
| 9 | +VDC/+VDCI |

| LATCHING | |
|----------|----------------|
| Pin No. | PINOUT |
| 1 | A1/V1 (J1-COM) |
| 2 | A2/V2 (J2-COM) |
| 3 | COM- |
| 4 | UNUSED |
| 5 | 1 (IND.) |
| 6 | 2 (IND.) |
| 7 | COM_1 (IND.) |
| 8 | UNUSED |
| 9 | +VDC/+VDCI |

H = 58 mm (max) (standard)
H = 69 mm (max) for options with TTL etc.

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