



Commercial CCR-38

Multi-Throw DC-18GHz

Normally Open

The CCR-38 Switch is a broadband, multi-throw, electromechanical coaxial switch designed to switch a microwave signal from a common input to any of 3, 4, 5, or 6 outputs. The characteristic impedance is 50 Ohms. The switches are small using the popular connector spacing on a 1.062" dia. circle. Each position has an individual actuator mechanism allowing random position selection. This also gives the minimum switching time.

Specifications

RF Contacts: Break before make

| | | | | |
|-----------------|--------------------|-----|-----|-----|
| Actuator | Voltage (VDC) 20°C | 12 | 15 | 28 |
| | Current (mA) | 170 | 136 | 140 |

Switching Time: 15 msec max

Connectors: SMA (f)

Weight: 6 oz. max

Temperature Range: -40°C to +65°C (Operating)

Shock: MIL-STD-202 Method 213, Condition D (500G Non Operating)

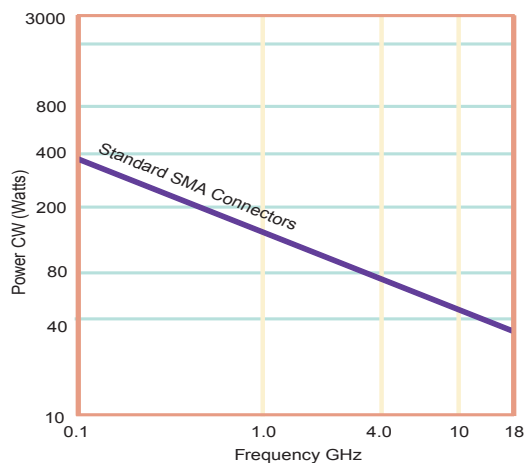
Vibration: MIL-STD-202 Method 214, Condition D (10G RMS Non Operating)

Humidity: Moisture Seal Available

MTBF: 6.5 Million Hours (MIL-HDBK-217F Fixed, 25°C, <1 Cycle per hour)

RF Power Handling

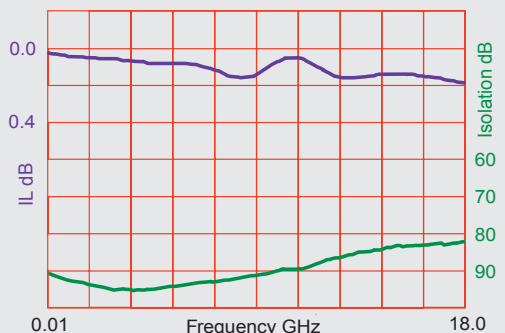
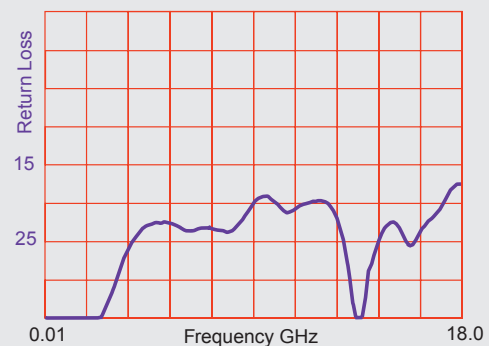
With the normally open actuator, all paths are open when the switch is de-energized.



Specifications

| | DC-6 GHz | 6-12 GHz | 12-18 GHz |
|----------------------|----------|----------|-----------|
| VSWR (max) | 1.25:1 | 1.40:1 | 1.50:1 |
| Insertion Loss (min) | 0.20 dB | 0.40 dB | 0.50 dB |
| Isolation (max) | 70.0 dB | 60.0 dB | 60.0 dB |

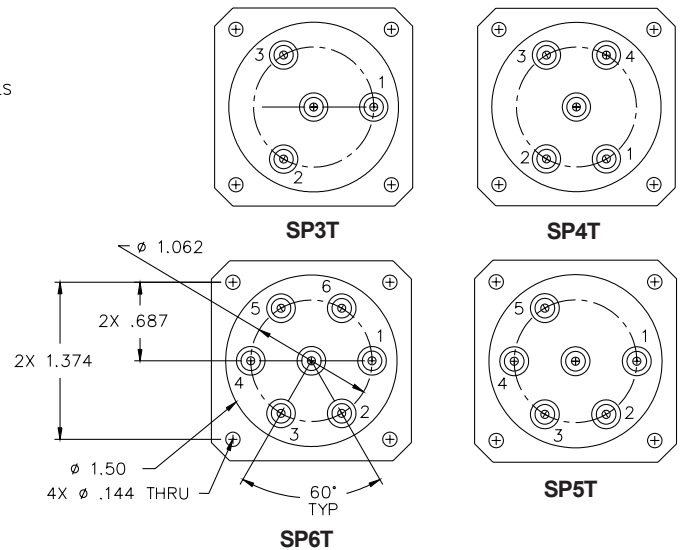
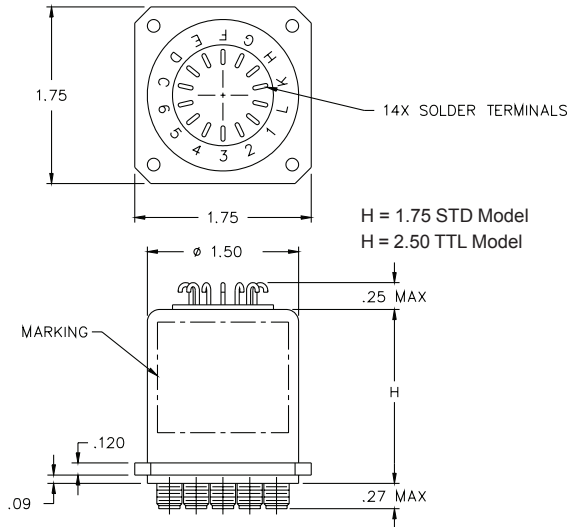
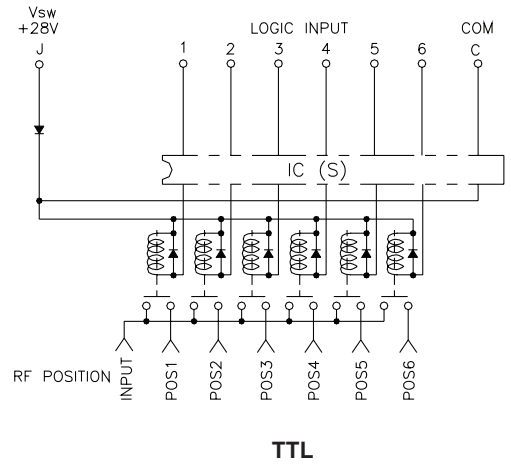
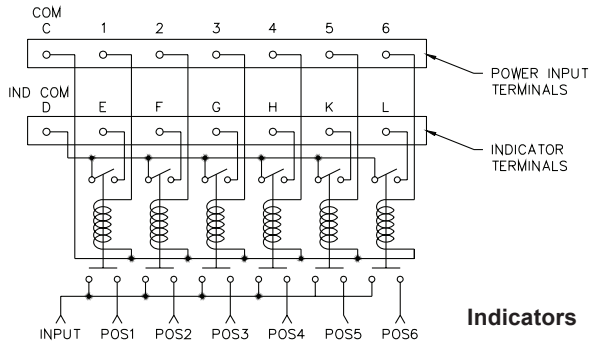
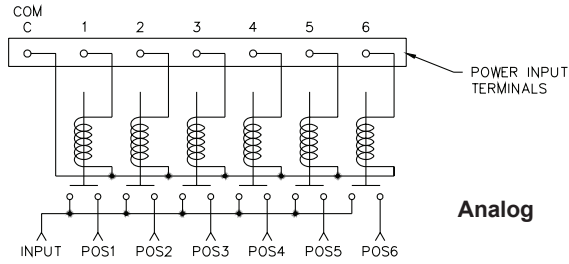
Typical Performance



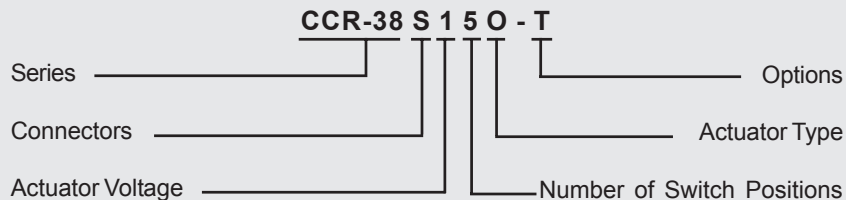
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Part Numbering System for CCR-38 (Normally Open)



Connector

S: SMA Female #

Actuator Voltage

1: 28Vdc Normally Open #
2: 15Vdc Normally Open #
3: 12Vdc Normally Open #

Number of Positions

3: SP3T #
4: SP4T #
5: SP5T #
6: SP6T #

Actuator Type

O: No Indicator Contacts #
C: Indicator Contacts #

Options

T: TTL Drivers with Diodes
R: Positive + Common
TD: TTL Driver with Decoder

For other options contact Factory

#: Stock item subject to prior sale



Specifications subject to change without notice.

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