



Commercial CCT-38

Multi-Throw Internal Terminations DC-18GHz

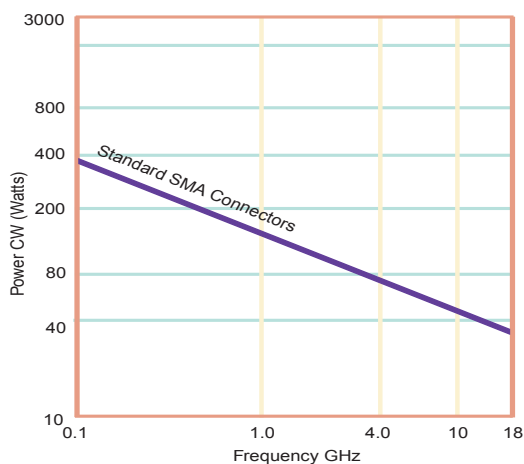
Normally Open

The CCT-38 Switch is an internally terminated, 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. Internal terminations provide an impedance match for the unselected ports. 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 minimizes switching time.

Specifications

RF Contacts:	Break before make				The CCT-38 comes with an open actuator, all ports are an input port which is closed when de-energized.
Actuator	Voltage (VDC) 20°C	12	15	28	
	Current (mA)	170	136	180	
Switching Time:	15 msec max				
Terminations:	50 Ohm 2 Watts CW 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 (Non-Terminated)					

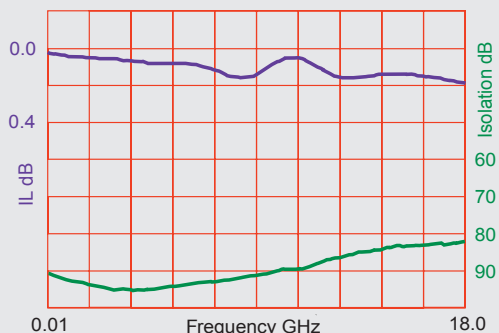
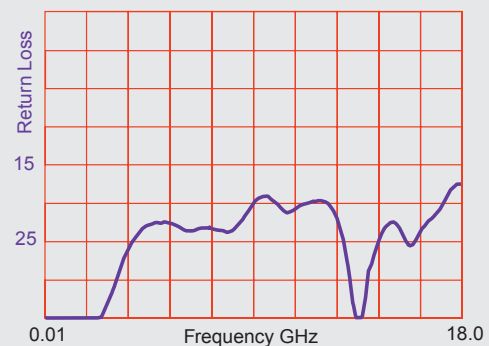
The CCT-38 comes with a normally open actuator. For the normally open actuator, all ports are terminated in 50 Ohms, except the common input port which is open when the switch is de-energized.



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



Specifications subject to change without notice.

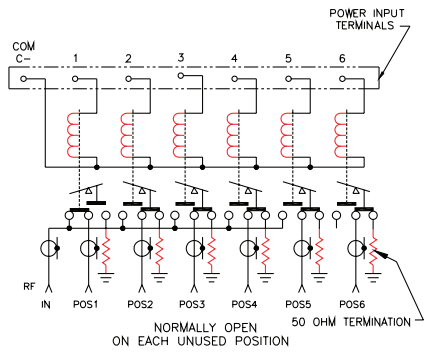
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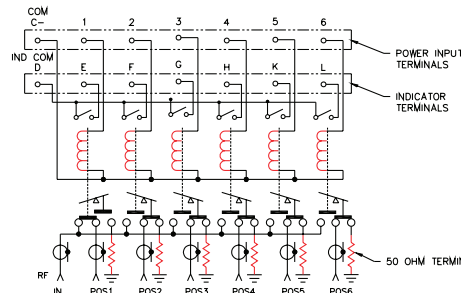
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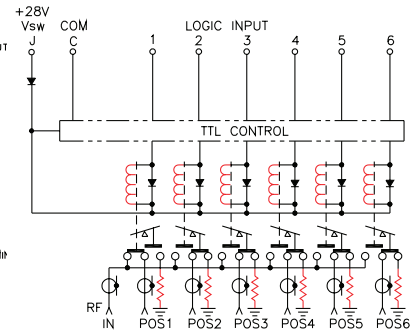
Normally Open



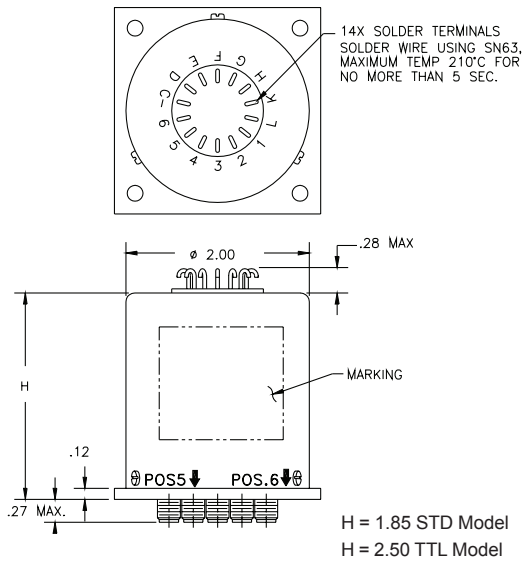
Analog



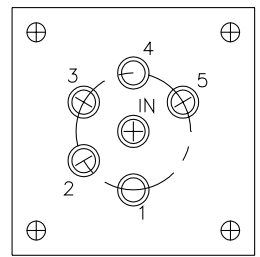
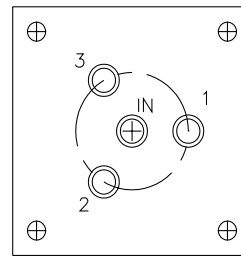
Indicators



TTL

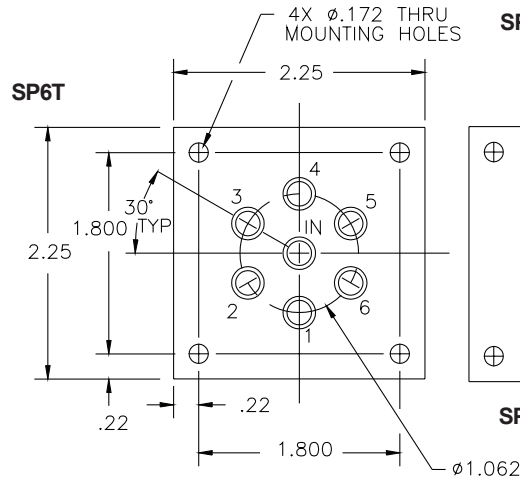


SP3T



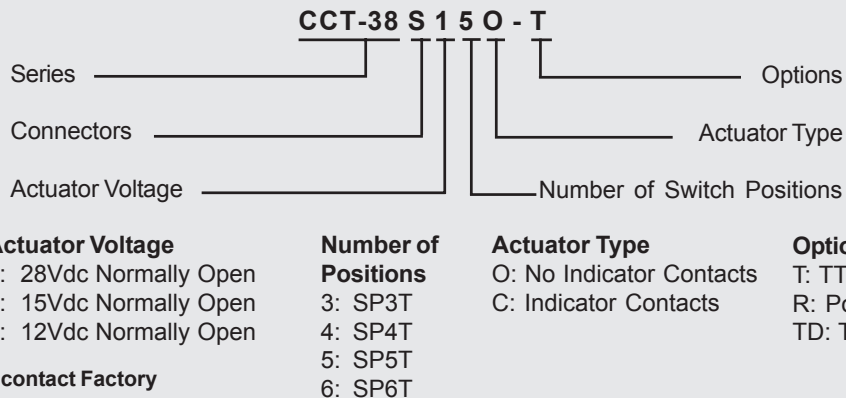
SP5T

SP6T



SP4T

Part Numbering System for CCT-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



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