



Commercial CCT-38 Multi-Throw Internal Terminations DC-18GHz Normally Open

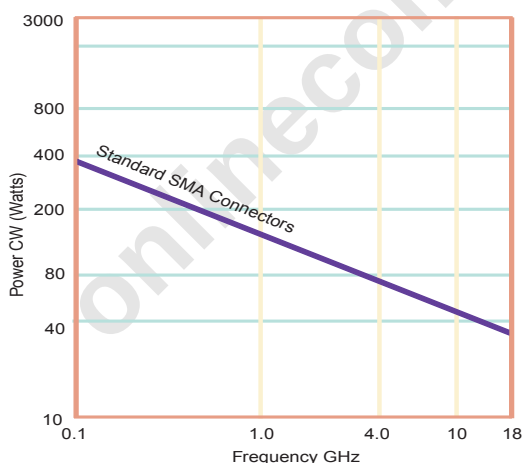
The CCT-38 Switch is an internally terminated, broadband, multi-throw, electromechanical coaxial switch designed to switch a microwave signal from a common input to any of 3, 4, 5, or 6 outputs. The characteristic impedance is 50 Ohms. Internal terminations provide an impedance match for the unselected 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			
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 an open actuator, all ports are open input port which is de-energized.

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.

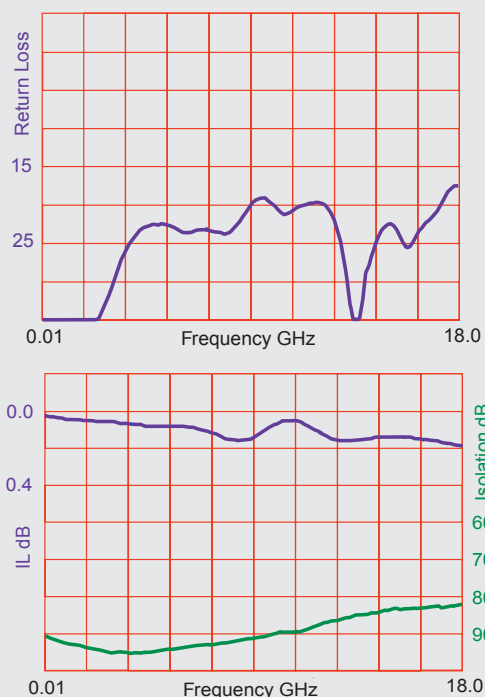


Specifications

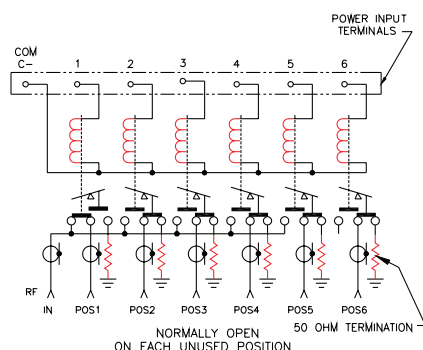
VSWR (max)
Insertion Loss (min)
Isolation (max)

	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

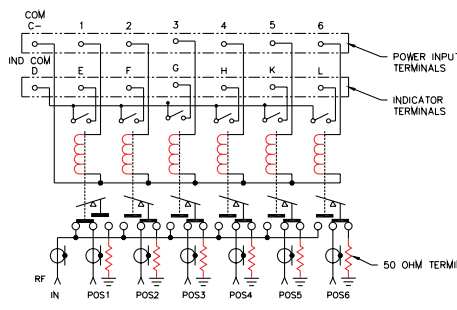
Typical Performance



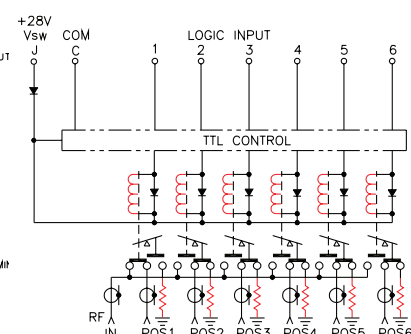
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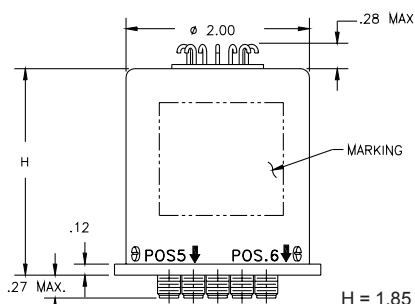
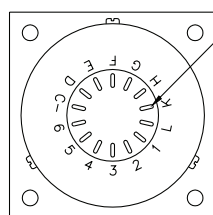
Analog



Indicators

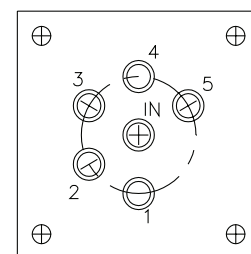
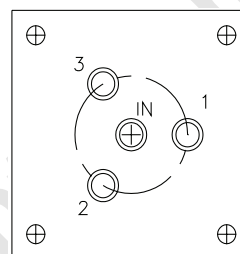


TTL



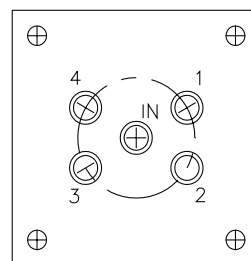
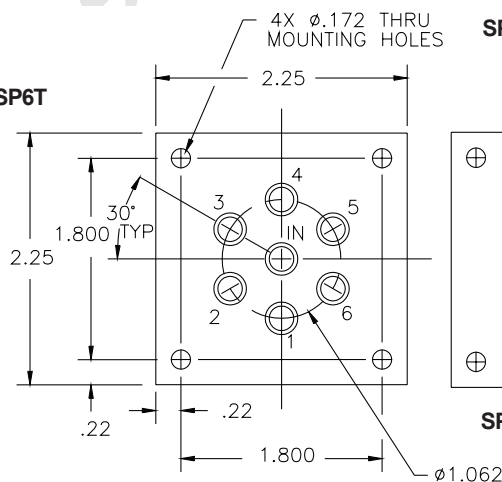
H = 1.85 STD Model
H = 2.50 TTL Model

SP3T



SP5T

SP6T



SP4T

Part Numbering System for CCT-38 (Normally Open)

CCT-38 S 1 5 O - T

Series _____ Options _____

Connectors _____ Actuator Type _____

Actuator Voltage _____ Number of Switch Positions _____

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



Specifications subject to change without notice.

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