Elite CT-58

Multi-Throw Internal Terminations DC-26.5GHz

Normally Open

The CT-58 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: -55° C to +85° 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

Typical Contact Life: 5 Million Cycles

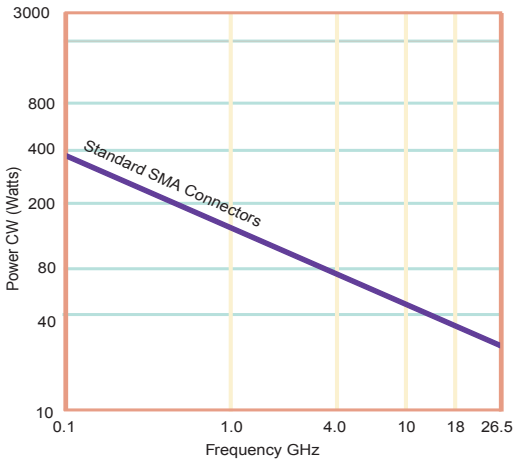
RF Power Handling (Non-Terminated)

The CT-58 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.

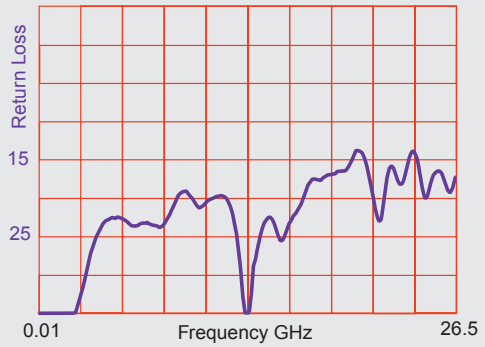
Insertion Loss Repeatability (1 Million Cycles):

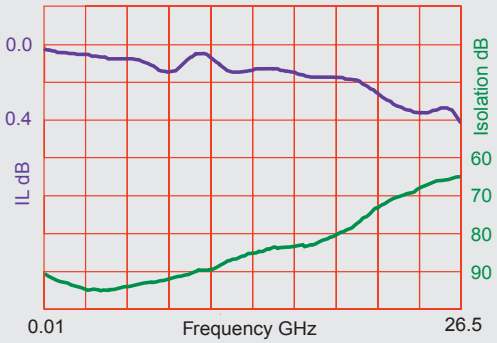
DC to 6 GHz: 0.05 dB

DC to 20 GHz: 0.1 dB



Typical Performance





Specifications	DC-6 GHz	6-12 GHz	12-18 GHz	18-26.5 GHz
VSWR (max)	1.25:1	1.40:1	1.50:1	1.80:1
Insertion Loss (max)	0.20 dB	0.40 dB	0.50 dB	0.80 dB
Isolation (min)	70.0 dB	60.0 dB	60.0 dB	50.0 dB

TELEDYNE COAX SWITCHES

Specifications subject to change without notice.

www.teledynecoax.com
email: coax@teledyne.com
Tel: (800) 351-7368

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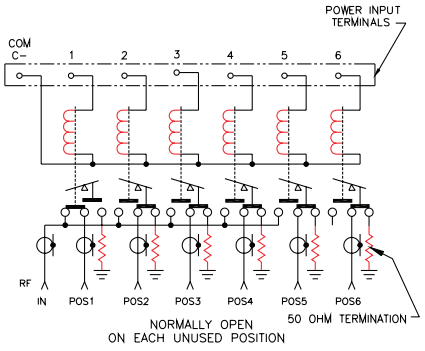
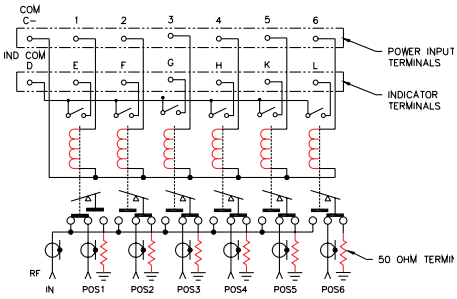
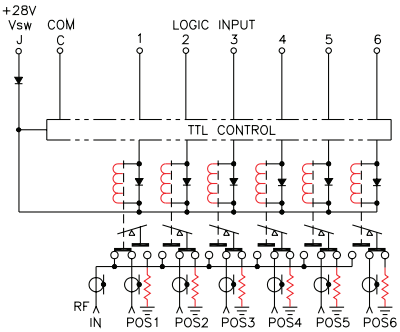


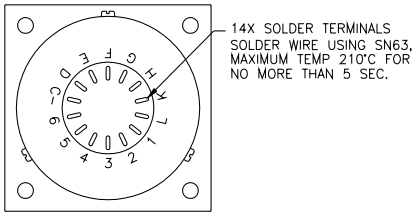
Analog

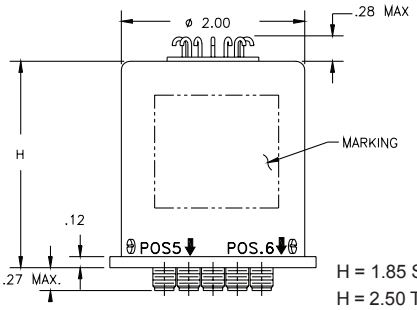


Indicators

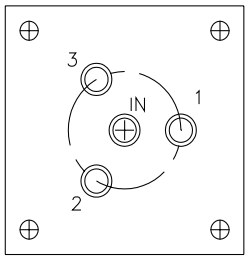


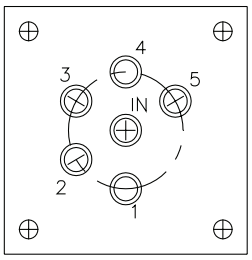
TTL





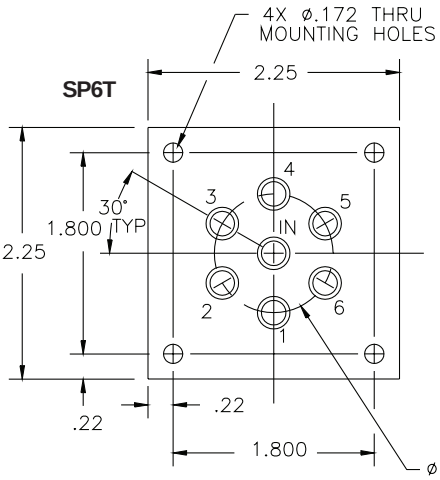
SP3T

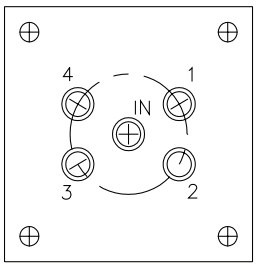




SP5T

SP6T





SP4T

Part Numbering System for CT-58 (Normally Open)

CT-58 S 1 5 O - T

- Series: CT-58
- Connectors: S
- Actuator Voltage: 1
- Number of Switch Positions: 5
- Actuator Type: O
- Options: T

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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