



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

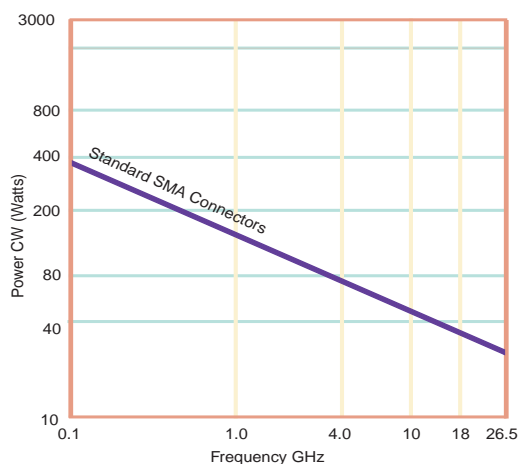
RF Power Handling (Non-Terminated)

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

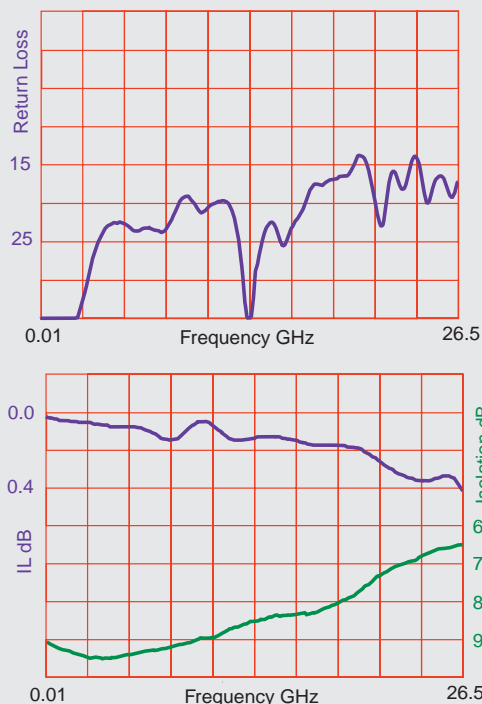


Specifications

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

DC-6 GHz	6-12 GHz	12-18 GHz	18-26.5 GHz
1.25:1	1.40:1	1.50:1	1.80:1
0.20 dB	0.40 dB	0.50 dB	0.80 dB
70.0 dB	60.0 dB	60.0 dB	50.0 dB

Typical Performance



TELEDYNE
COAX SWITCHES

Specifications subject to change without notice.

www.teledynecoax.com
email: coax@teledyne.com

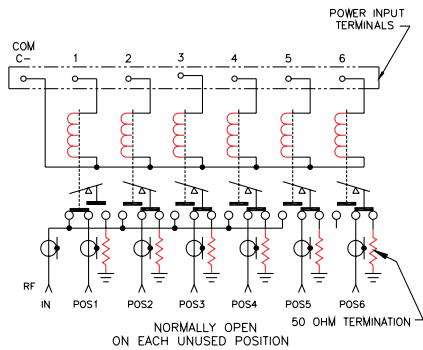
Tel: (800) 351-7368

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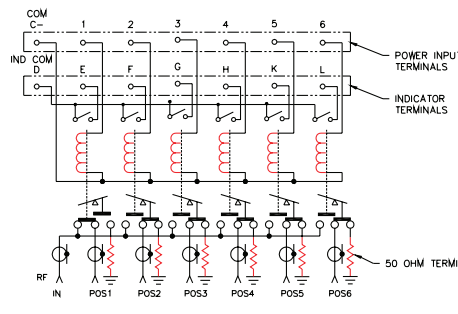
Elite CT-58

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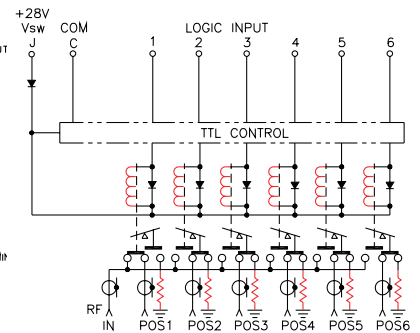
Normally Open



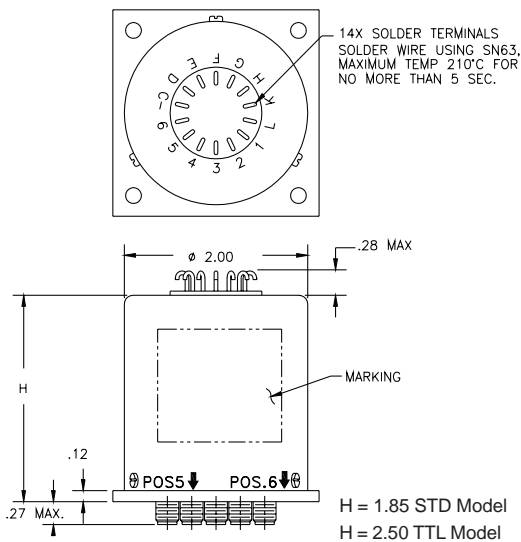
Analog



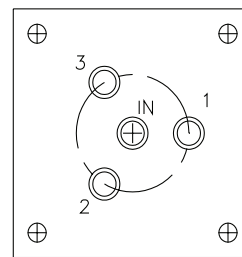
Indicators



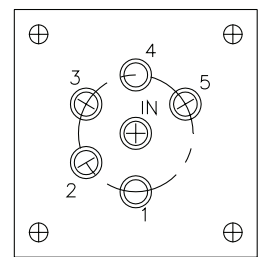
TTL



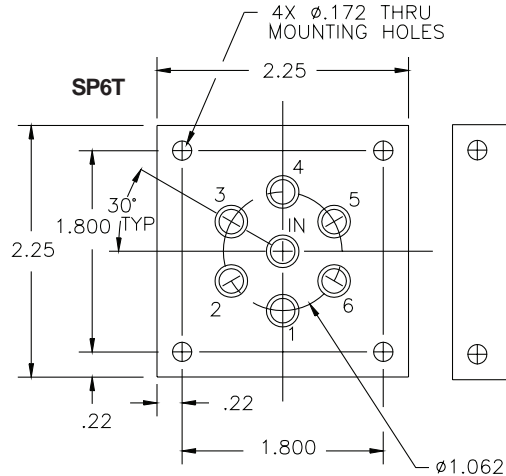
SP3T



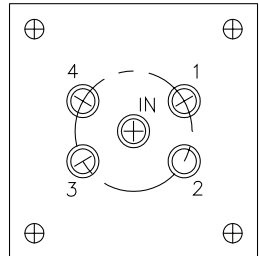
SP5T



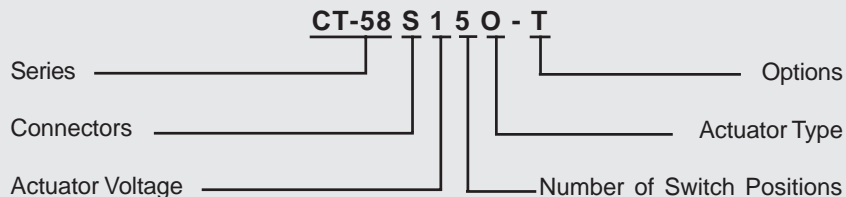
SP6T



SP4T



Part Numbering System for CT-58 (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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