



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

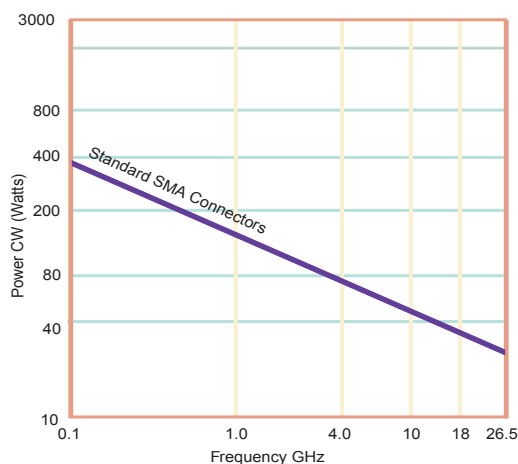
RF Contacts:	Break before make			
Actuator	Voltage (VDC) 20°C	12	15	28
	Current (mA)	170	136	180
Switching Time:	15 msec max			
Terminations:	50 Ohm 2 Watts CW max			
Connectors:	SMA (f)			
Weight:	6 oz. max			
Temperature Range:	-55°C to +85°C (Operating)			
Shock:	MIL-STD-202 Method 213, Condition			
Vibration:	MIL-STD-202 Method 214, Condition			
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

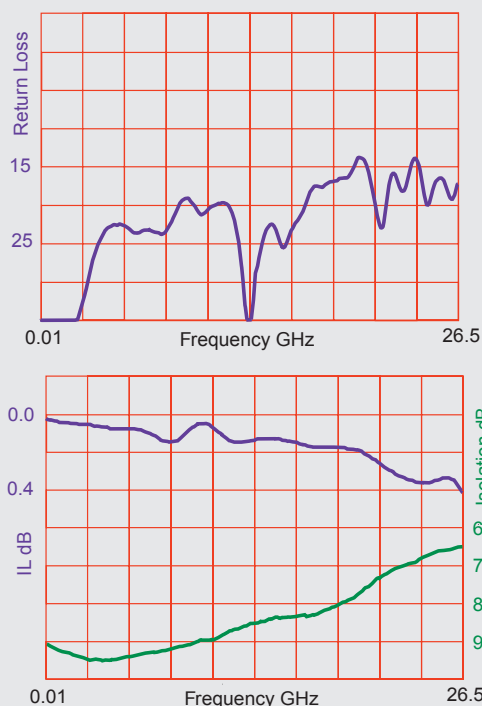
DC to 20 GHz: 0.1 dB



Specifications

	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

Typical Performance



TELEDYNE
COAX SWITCHES

Specifications subject to change without notice.

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

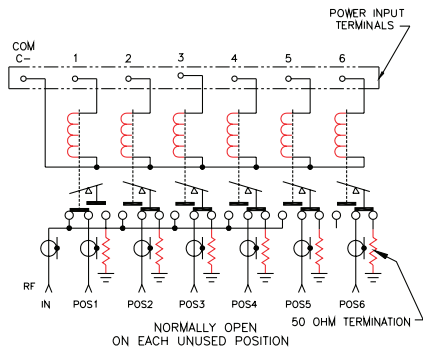
Tel: (800) 351-7368

10/2007

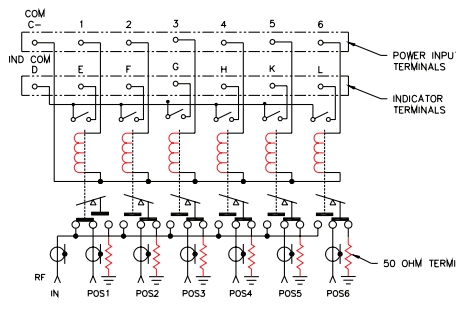
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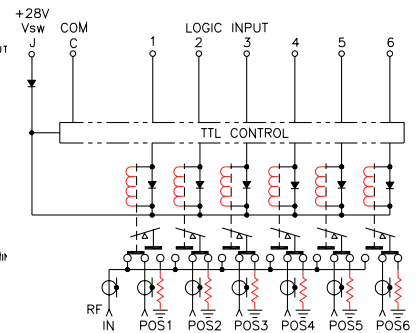
Normally Open



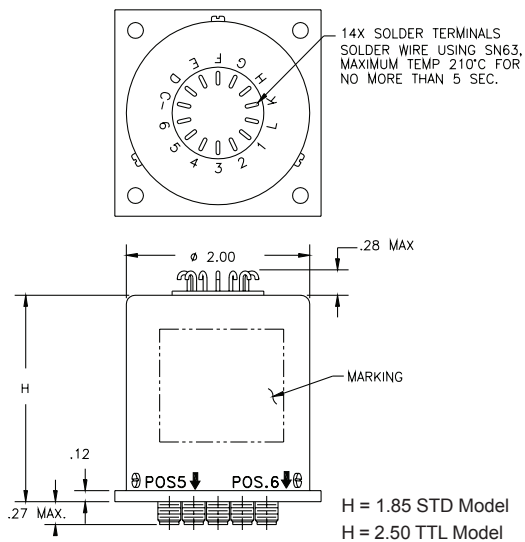
Analog



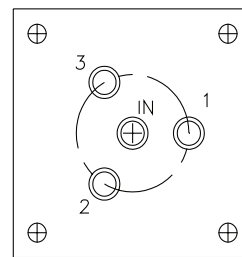
Indicators



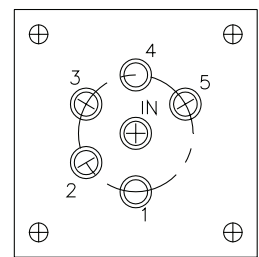
TTL



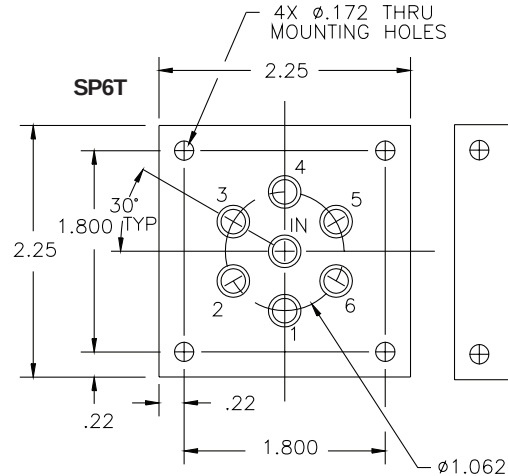
SP3T



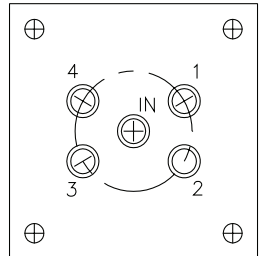
SP5T



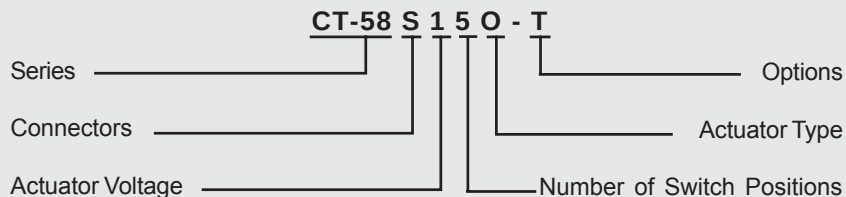
SP6T



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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