



Elite CS-18

High Power DC-12GHz Multi - Throw Switch

SP3T to SP6T versions only

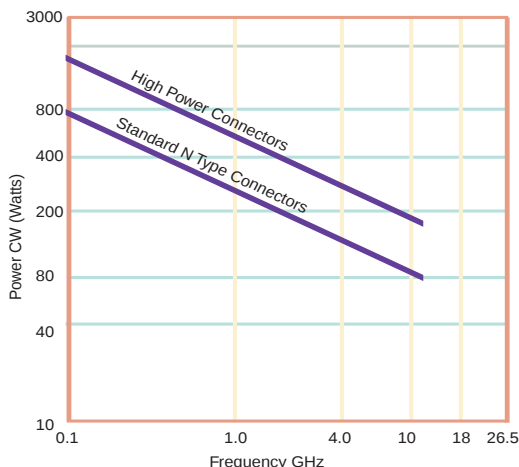
Normally Open

The CS-18 Switch is a broadband multi-position coaxial switch designed to switch RF signals from one input port to any one of 3 through 6 output ports. It is readily adapted to any 50 Ohms transmission line system. The standard actuator gives individual solenoid control of each position and when de-energized, all positions are open. Standard actuator voltage is 28 VDC. The primary advantage of this switch over the miniature versions shown on previous pages is the higher power handling capability.

SP7T and SP8T version available. See additional datasheets

Specifications

RF Contacts:	Break before make				power
Actuator	Voltage (VDC) 20°C	12	15	28	SP7T datas
	Current (mA)	600	480	270	
Switching Time:	20 msec max				
Connectors:	SMA (f), TNC(f)(max frequency 11GHz only)*, N Type (f)				
Weight:	9 oz. max (3 Position) 11 oz (6 Position)				
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					



Specifications

	DC-1 GHz	1-4 GHz	4-12 GHz (TNC 11GHz only)
VSWR (max)	1.25:1	1.40:1	1.70:1
Insertion Loss (max)	0.30 dB	0.40 dB	0.50 dB
Isolation (min)	70.0 dB	60.0 dB	60.0 dB



TELEDYNE
COAX SWITCHES

Specifications subject to change without notice.

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

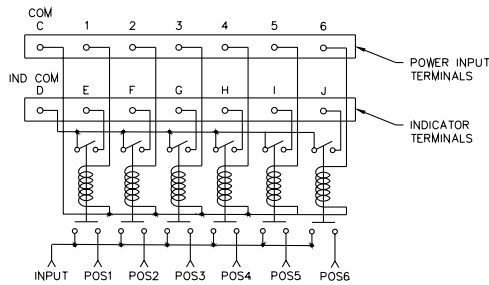
Tel: (800) 351-7368
10/2007

Elite CS-18

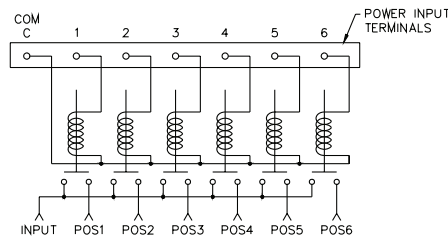
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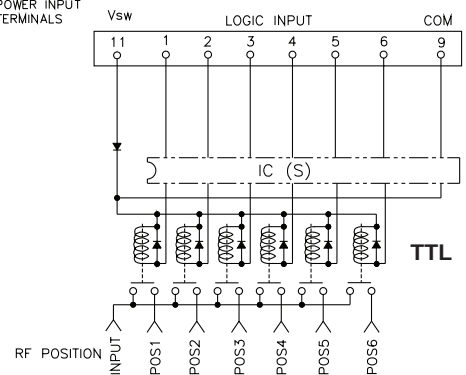
Normally Open



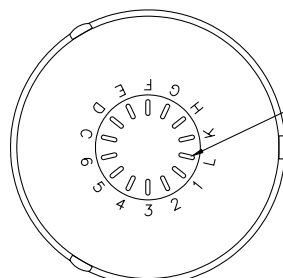
Indicators



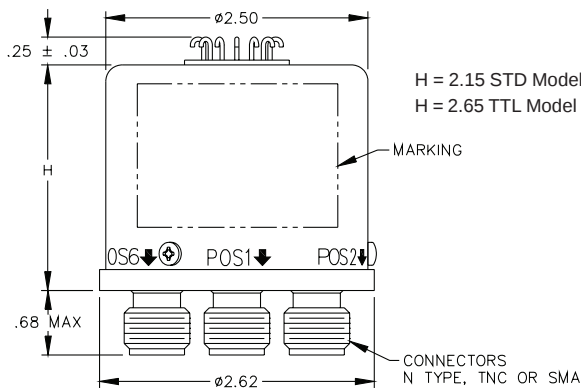
Analog



TTL



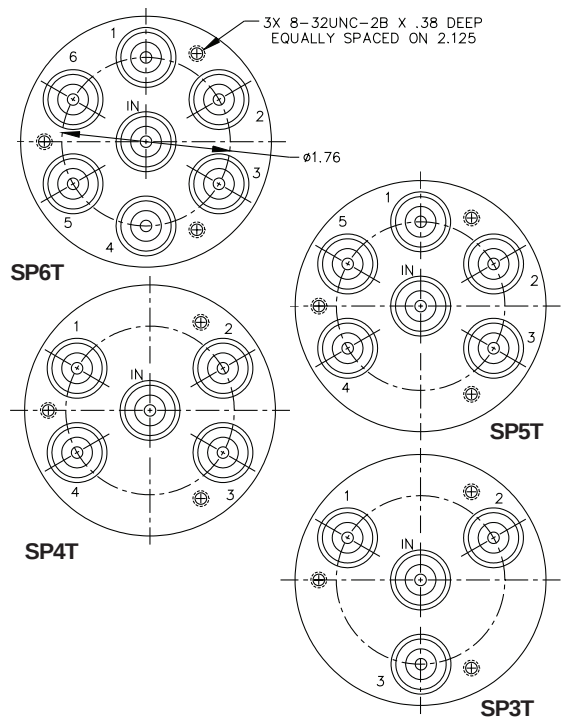
14X SOLDER TERMINALS
SOLDER WIRE USING SN63,
MAXIMUM TEMP 210°C FOR
NO MORE THAN 5 SEC.



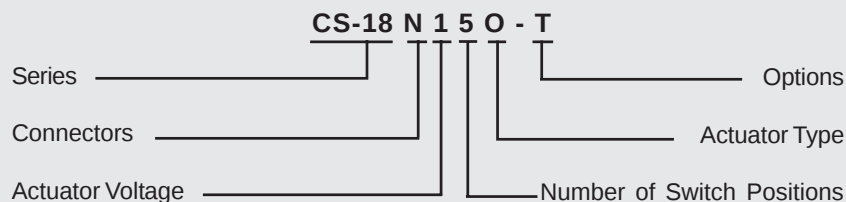
H = 2.15 STD Model
H = 2.65 TTL Model

MARKING

CONNECTORS
N TYPE, TNC OR SMA



Part Numbering System for CS-18 (Normally Open)



Connector

S: SMA Female
N: N type Female
T: TNC 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

See additional Datasheet for SP7T and SP8T versions



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email: coax@teledyne.com

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