



Elite CR-38

Multi-Throw DC-22GHz

Normally Open

The CR-38 Switch is a 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. 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 gives the minimum switching time.

Specifications

RF Contacts: Break before make

Actuator	Voltage (VDC) 20°C	12	15	28
	Current (mA)	170	136	140

Switching Time: 15 msec 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)

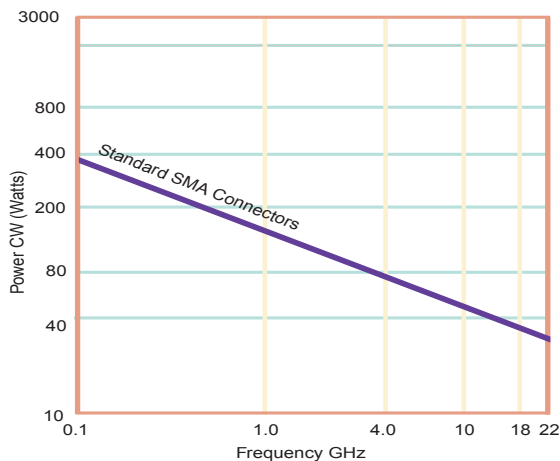
Vibration: MIL-STD-202 Method 214, Condition D (10G RMS Non Operating)

Humidity: Moisture Seal Available

MTBF: 6.5 Million Hours (MIL-HDBK-217F Fixed, 25°C, <1 Cycle per hour)

With the normally open actuator, all paths are open when the switch is de-energized.

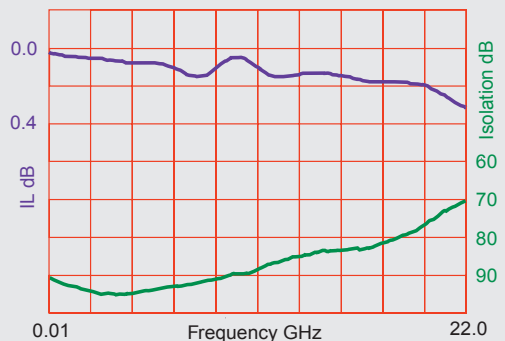
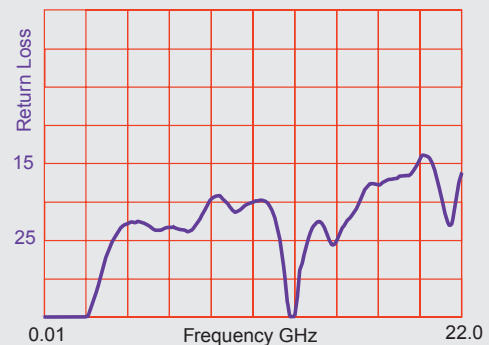
RF Power Handling



Specifications

	DC-6 GHz	6-12 GHz	12-18 GHz	18-22 GHz
VSWR (max)	1.25:1	1.40:1	1.50:1	1.80:1
Insertion Loss (min)	0.20 dB	0.40 dB	0.50 dB	0.60 dB
Isolation (max)	70.0 dB	60.0 dB	60.0 dB	50.0 dB

Typical Performance



Specifications subject to change without notice.

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

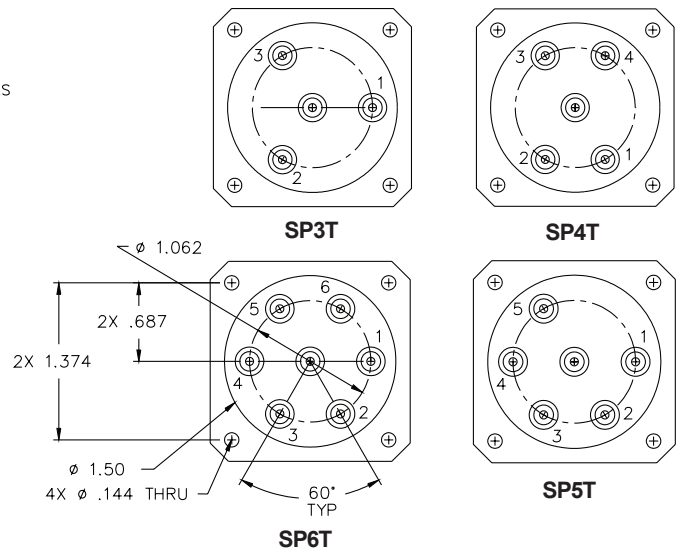
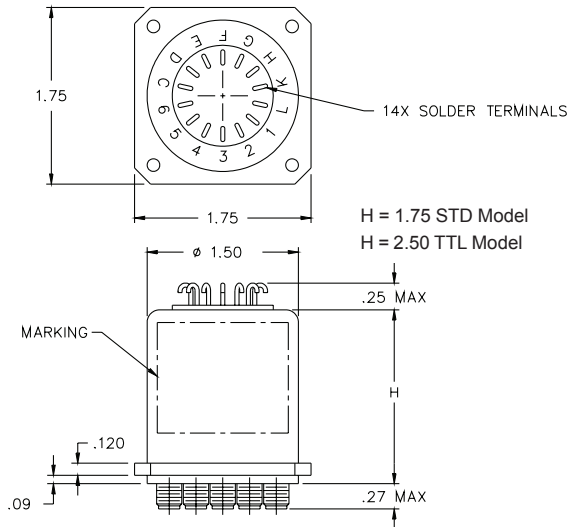
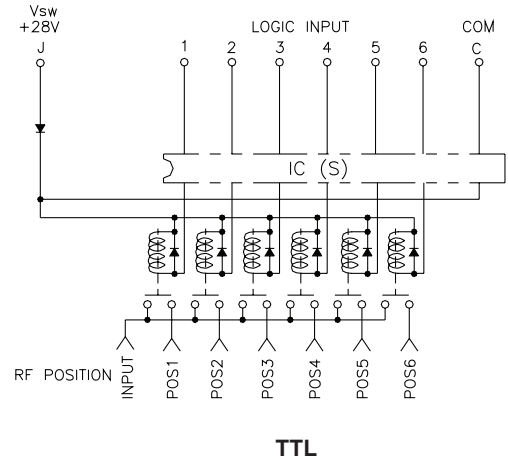
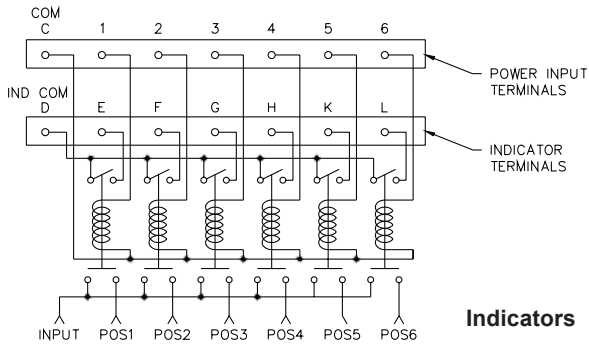
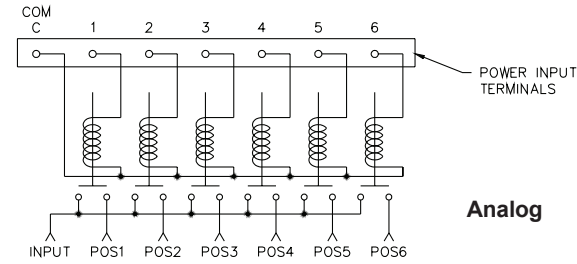
Tel: (800) 351-7368

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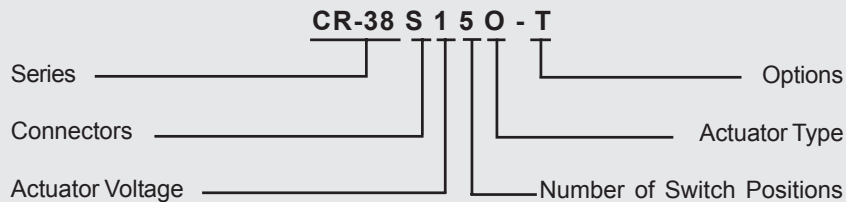
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Part Numbering System for CR-38 (Normally Open)



Connector	Actuator Voltage	Number of Positions	Actuator Type	Options
S: SMA Female	1: 28Vdc Normally Open	3: SP3T	O: No Indicator Contacts	T: TTL Drivers with Diodes
	2: 15Vdc Normally Open	4: SP4T	C: Indicator Contacts	R: Positive + Common
	3: 12Vdc Normally Open	5: SP5T		TD: TTL Driver with Decoder
		6: SP6T		

For other options contact Factory



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