

Elite CT-39 Multi-Throw Internal Terminations DC-22GHz Latching

The CT-39 Switch is a 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 impedence 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			
	Latching Current (mA)	255	205	90			
		Positions					
	Reset Current (mA)	3	765	615	270		
		4	1020	820	360		
		5	1275	1025	450		
		6	1530	1230	540		
Switching Time:	20 msec max						
Terminations:	50 Ohm 2 Watts CW max						
Connectors:	SMA (f)						
Weight:	6 oz. max						
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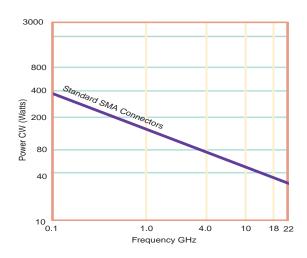
Temperature Range: -55°C to +85°C (Operating)

The CT-39 comes with a latching actuator. The latching switch remains in the last position selected when the switch is de-energized. STD dual command requires a reset pulse before a new selected position. A separate reset circuit allows all positions to be set to an open position. User must provide both reset (clear) and set (select new position) commands.

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						
Insertion Loss Repeatability (1 Million Cycles):						
DC to 6 GHz: 0.0	05 dB					
DC to 20 GHz: 0.	1 dB					

RF Power Handling (Non-Terminated)



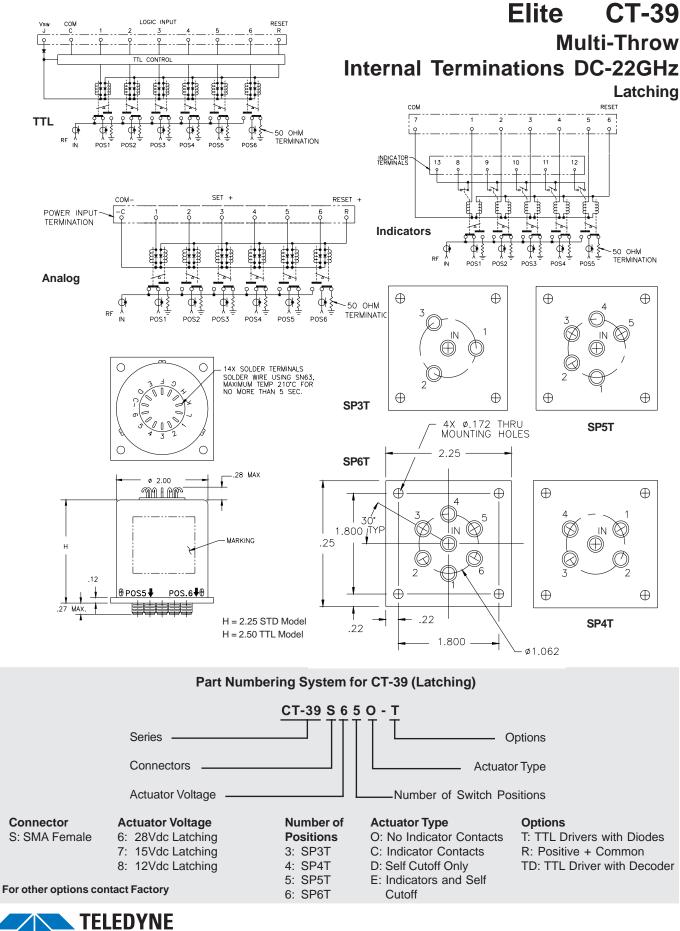


Specifications	DC-6 GHz	6-12 GHz	12-18 GHz	18-22 GHz
VSWR (max)	1.25:1	1.40:1	1.50:1	1.80:1
Insertion Loss (min)	0.20 dB	0.40 dB	0.50 dB	0.80 dB
Isolation (max)	70.0 dB	60.0 dB	60.0 dB	50.0 dB



Specifications subject to change without notice.

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