



# Elite CR-33

## Miniature DC-22GHz SPDT Switch

### Latching

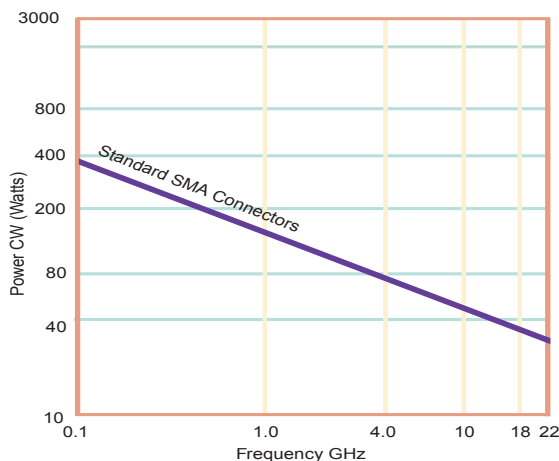
The CR-33 Switch is a broadband, SPDT, electromechanical, coaxial switch designed to switch a microwave signal from a common input to either of two outputs. The CR-33 Series has a higher operating Frequency and temperature range than the commercial CCR-33 series. The characteristic impedance is 50 Ohms. The switches are small with connector spacing compatible with SMA connectors.

The CR-33 series switch is offered with either a failsafe or latching actuator. This design is compatible with the two most common mounting hole patterns. The CR-33 series switch is interchangeable with a variety of switches.

#### Specifications

<b>RF Contacts:</b>	Break before make		
<b>Actuator</b>	Voltage (VDC) 20°C	12	15 28
	Current (mA)	140	115 65
<b>Switching Time:</b>	10 msec max		
<b>Connectors:</b>	SMA (f)		
<b>Weight:</b>	1.65 oz. max		
<b>Temperature Range:</b>	-55°C to +85°C (Operating)		
<b>Shock:</b>	MIL-STD-202 Method 213, Condition D (500G Non Operating)		
<b>Vibration:</b>	MIL-STD-202 Method 214, Condition D (10G RMS Non Operating)		
<b>Humidity:</b>	Moisture Seal Available		
<b>MTBF:</b>	7.3 Million Hours ( MIL-HDBK-217F Fixed, 25°C, <1 Cycle per hour)		

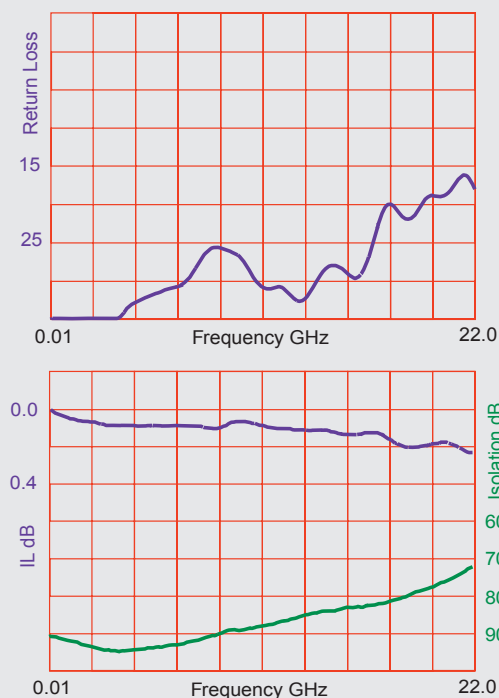
#### RF Power Handling



#### Specifications

	DC-6 GHz	6-12 GHz	12-18 GHz	18-22 GHz
VSWR (max)	1.25:1	1.40:1	1.50:1	1.60:1
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



**TELEDYNE**  
COAX SWITCHES

Specifications subject to change without notice.

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

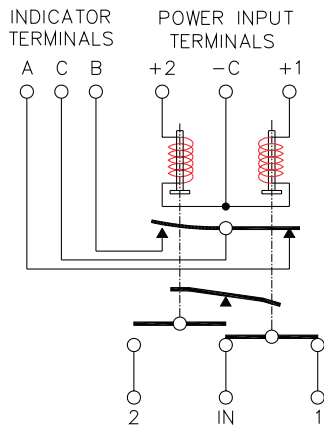
Tel: (800) 351-7368

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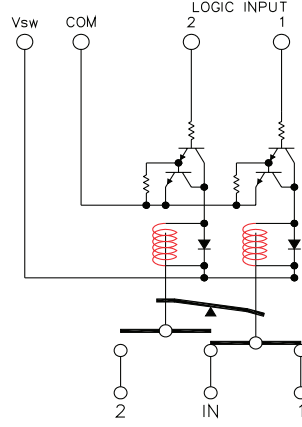
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## Miniature DC-22GHz SPDT Switch

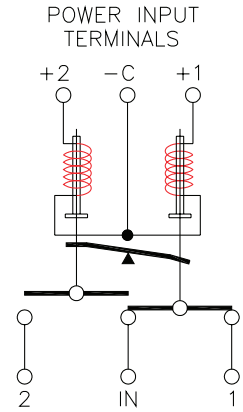
### Latching



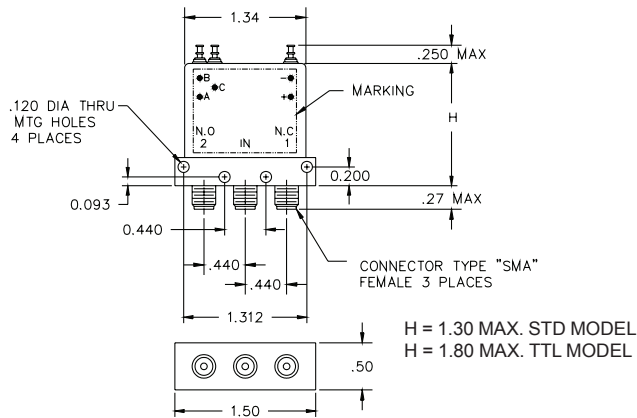
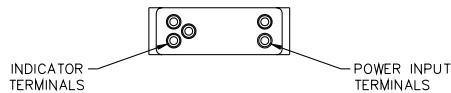
**Indicators**



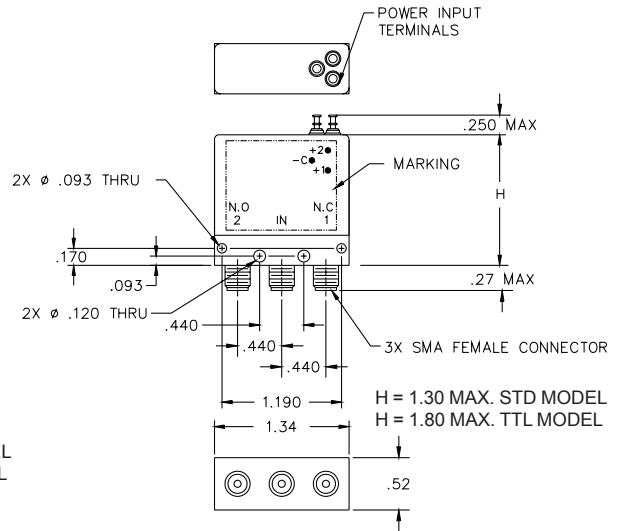
**TTL**



**Analog**

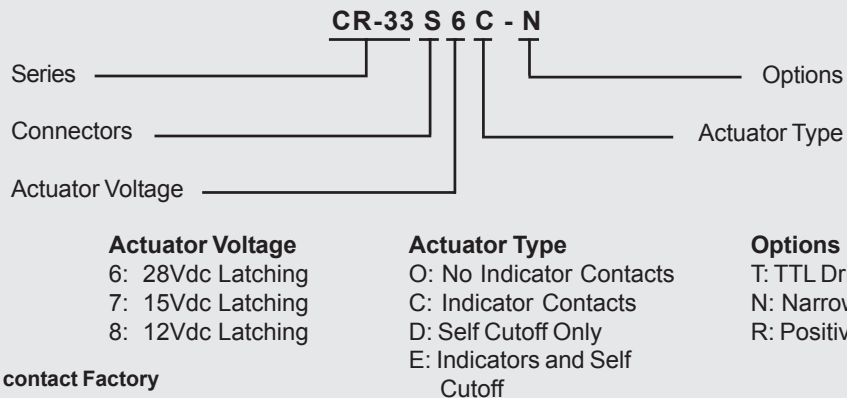


**Standard Width Body**



**Optional Narrow Width Body**

### Part Numbering System for CR-33 (Latching)



For other options contact Factory



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