



CRT-33S10

Teledyne Technologies

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Company Address

Arrow Electronics, Inc
9201 East Dry Creek Road
Centennial, CO 80112

Elite CRT-33

Internal Terminations DC-22GHz SPDT Switch

Failsafe



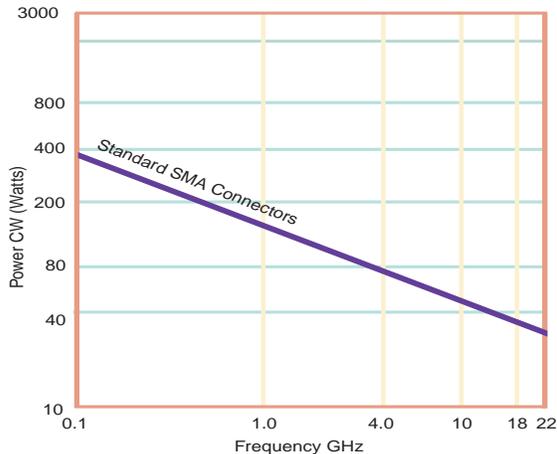
The CRT-33 Switch is an internally terminated, broadband, SPDT, electromechanical coaxial switch designed to switch a microwave signal from a common input to either of two outputs. The characteristic impedance is 50 Ohms. Internal terminations provide an impedance match for the unselected port. The switches are small with the minimum spacing that is compatible with SMA connectors.

The CRT-33 is available with either a failsafe or latching actuator.

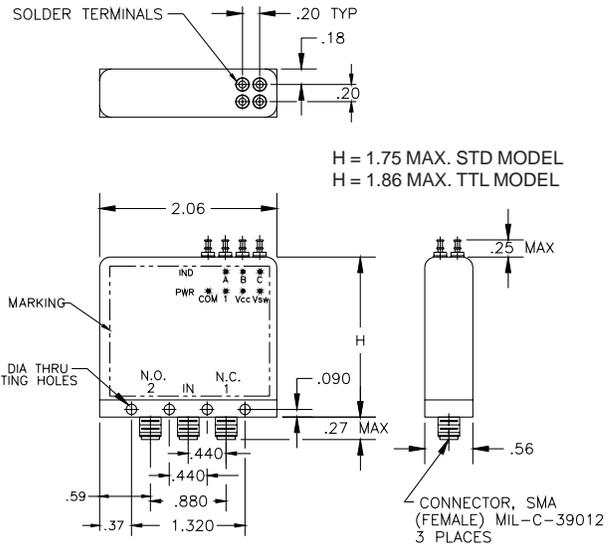
Specifications

RF Contacts:	Break before make			
Actuator	Voltage (VDC) 20°C	12	15	28
	Current (mA)	420	350	200
Switching Time:	20 msec max			
Terminations:	50 Ohm 2 Watts CW max			
Connectors:	SMA (f)			
Weight:	2.65 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			
Typical Contact Life:	5 Million Cycles			
Insertion Loss Repeatability (1 Million Cycles):				
	DC to 6 GHz: 0.05 dB			
	DC to 20 GHz: 0.1 dB			

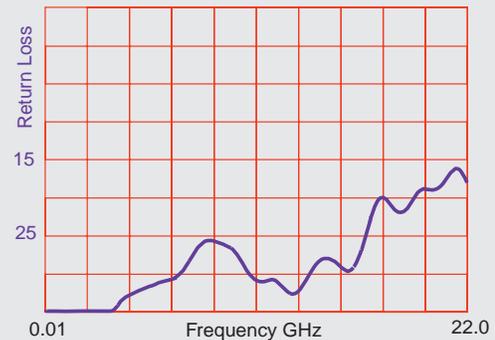
RF Power Handling (Non-terminated)



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



Specifications subject to change without notice.

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

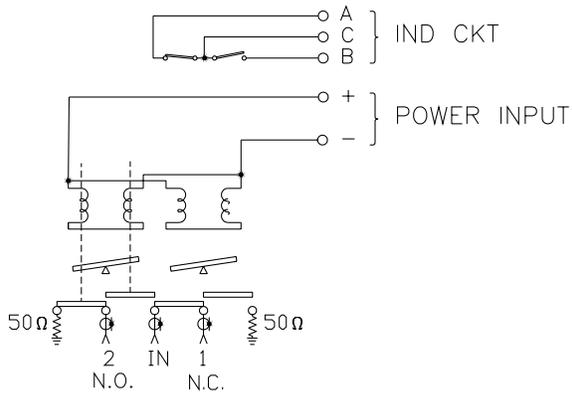
Tel: (800) 351-7368

10/2007

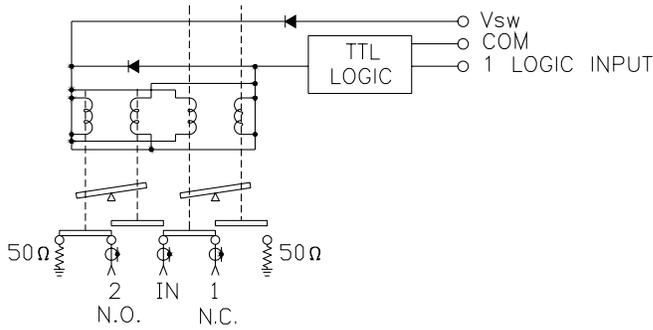
Elite CRT-33

Internal Terminations DC-22GHz SPDT Switch

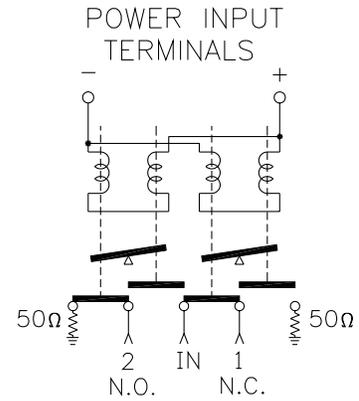
Failsafe



Indicators

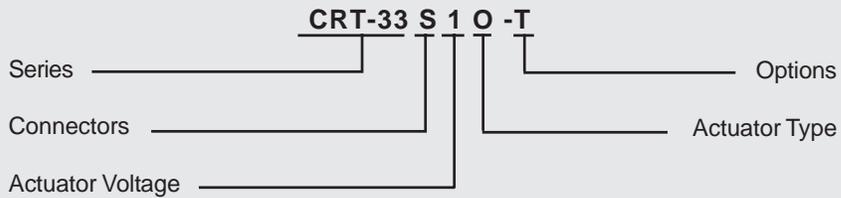


TTL



Analog

Part Numbering System for CRT-33 (Failsafe)



Connector
S: SMA Female

Actuator Voltage
1: 28Vdc Failsafe
2: 15Vdc Failsafe
3: 12Vdc Failsafe

Actuator Type
O: No Indicator Contacts
C: Indicator Contacts

Options
T: TTL Drivers with Diodes
R: Positive + Common

For other options contact Factory



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