



Commercial CCR-53 Miniature DC-26.5GHz SPDT Switch Latching

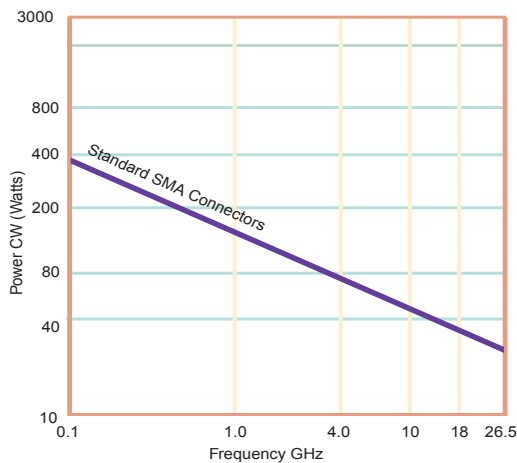
The CCR-53 Switch is a broadband, SPDT, electromechanical, coaxial switch designed to switch a microwave signal from a common input to either of two outputs. The characteristic impedance is 50 Ohms. The switches are small with connector spacing compatible with SMA connectors.

The CCR-53 series switch is offered with either a failsafe or latching actuator. This design is compatible with the two most common mounting hole patterns. The CCR-53 series switch is interchangeable with a variety of switches.

Specifications

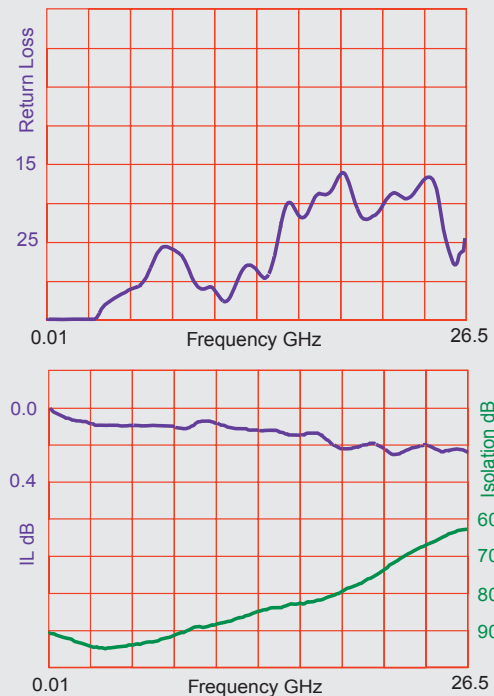
RF Contacts:	Break before make			
Actuator	Voltage (VDC) 20°C	12	15	28
	Current (mA)	140	115	65
Switching Time:	10 msec max			
Connectors:	SMA (f)			
Weight:	1.65 oz. max			
Temperature Range:	-40°C to +65°C (Operating)			
Shock:	MIL-STD-202 Method 213, Condition D (500G Non Operating)			
Vibration:	MIL-STD-202 Method 214, Condition D (10G RMS Non Operating)			
Humidity:	Moisture Seal Available			
MTBF:	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	18-26.5GHz
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	0.70 dB
Isolation (max)	70.0 dB	60.0 dB	60.0 dB	50.0 dB

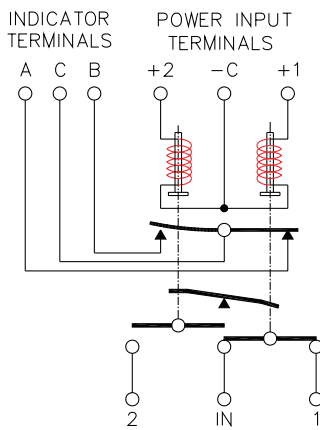
Typical Performance



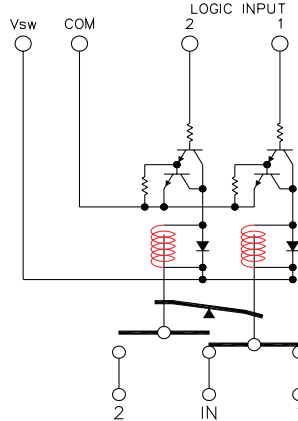
Commercial CCR-53

Miniature DC-26.5GHz SPDT Switch

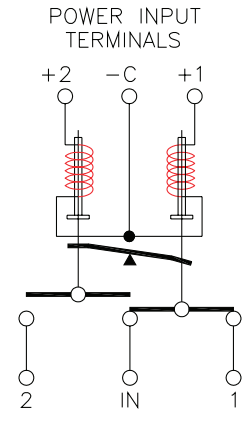
Latching



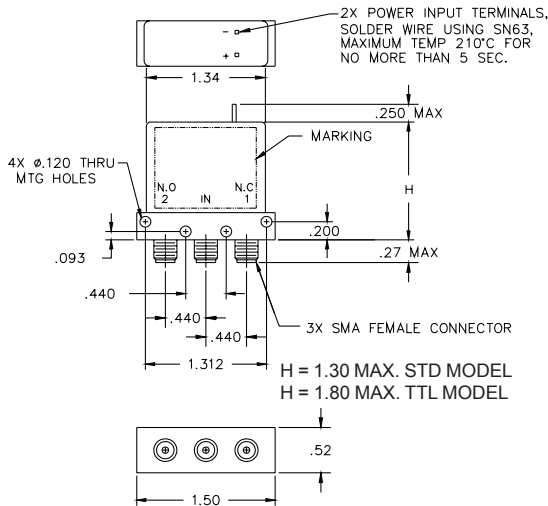
Indicators



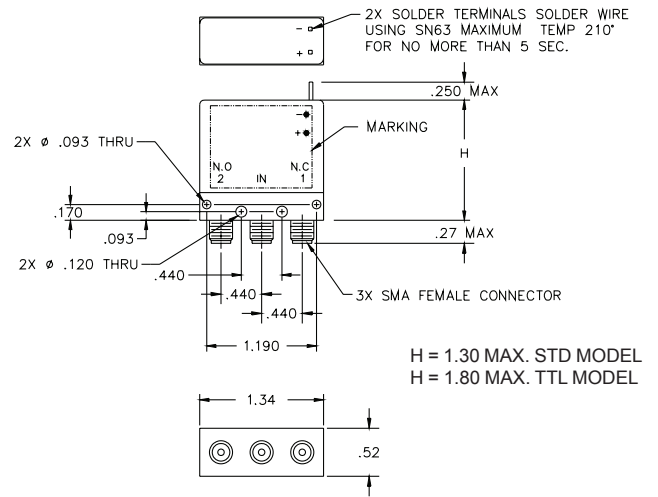
TTL



Analog

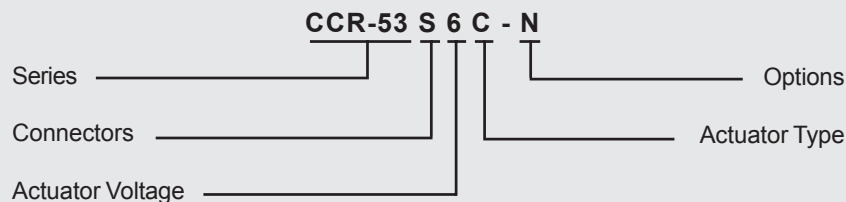


Standard Width Body



Optional Narrow Width Body

Part Numbering System for CCR-53 (Latching)



Connector
S: SMA Female #

Actuator Voltage
6: 28Vdc Latching #
7: 15Vdc Latching #
8: 12Vdc Latching #

Actuator Type
O: No Indicator Contacts #
C: Indicator Contacts #
D: Self Cutoff Only
E: Indicators and Self Cutoff

Options
T: TTL Drivers with Diodes
N: Narrow Body #
R: Positive + Common

For other options contact Factory

#: Stock item subject to prior sale



Specifications subject to change without notice.

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