

Features:

- Broadband: DC - 53 GHz
- Extended Life: 2 million cycles
- Excellent Repeatability
- Low Insertion Loss
- High Isolation



Description:

Excellent high RF power handling with reliability and low loss performance makes these switches ideal for testing and end product applications. A wide selection of connectors and other features is available to meet most requirements. Higher RF power designs available.

Applications:

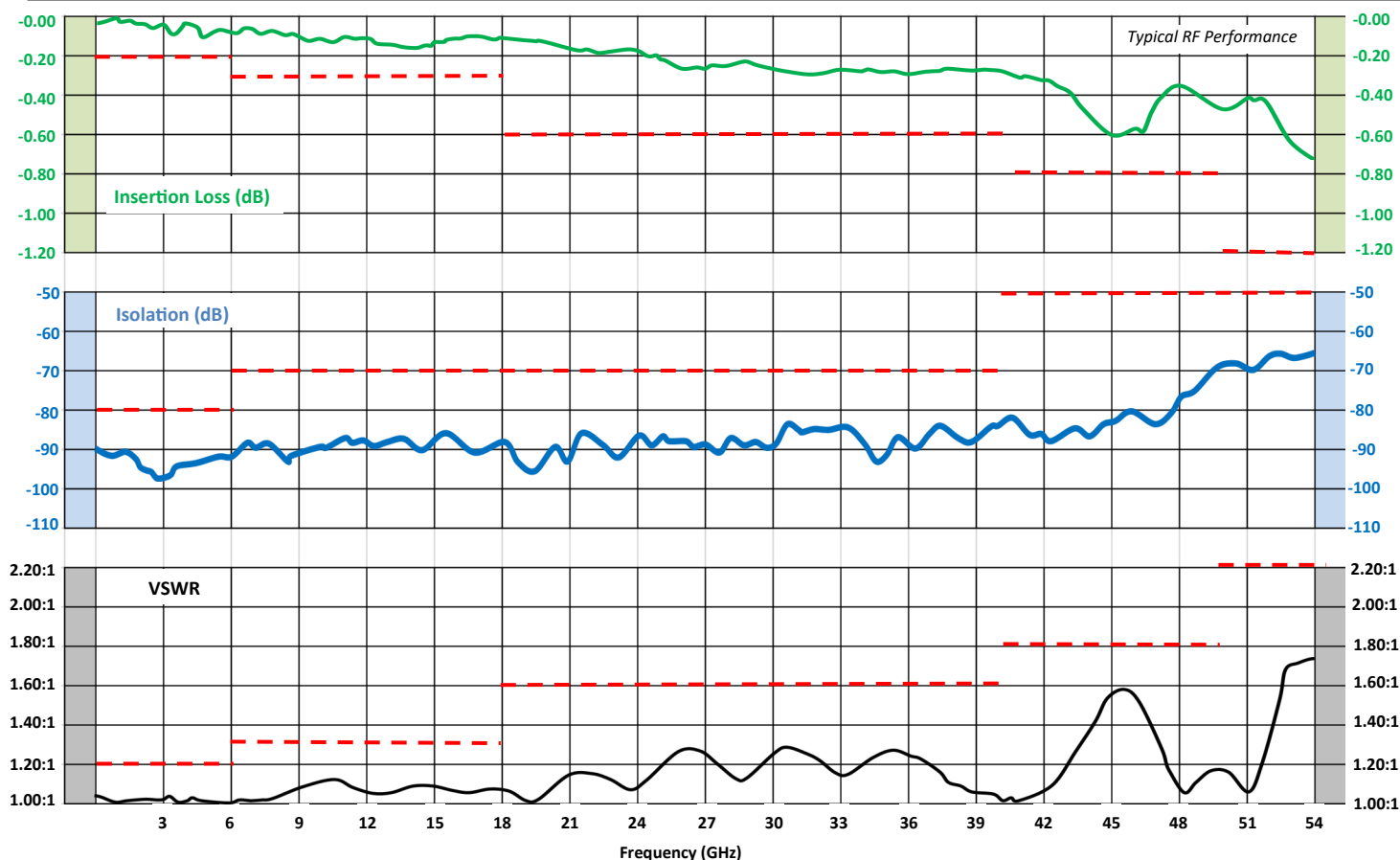
test stations, stand-by switch, Tx/Rx antenna switch, distribution switch.

Markets:

defense, telecom, aerospace, enterprise, consumer and IoT.

RF Specification:

Frequency, (GHz)	DC - 6	6 - 18	18-26.5	26.5-40	40-50	50-53
Ins. Loss dB (max)	0.20	0.30	0.60	0.60	0.80	1.20
Isolation dB (min)	80	70	70	70	50	50
VSWR (max)	1.20:1	1.30:1	1.60:1	1.60:1	1.80:1	2.20:1
Switching Time	20 mS (max)					
Switching Action	Break-Before-Make					
Impedance	50 Ω					



Specifications

Oper Temp	-25° C to +70° C
Oper Temp	-55° C to +85° C (M version)
Storage Temp	-55° C to +100° C
Humidity	Moisture resistant or immersion sealing available
Shock	MIL-STD-202 Method 213, Condition D, 500G (non oper)
Vibration	MIL-STD-202 Method 214, Condition D, 10G RMS (non oper)
Cycle Life	2M cycles (may vary based on selected options)

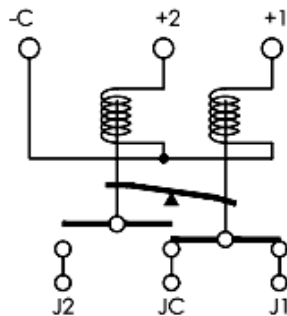
Voltages and Current

Nominal Voltage, Vdc	12	24	28
Voltage Range, Vdc	11-13	22-26	26-30
Current (mA)*	200	110	90

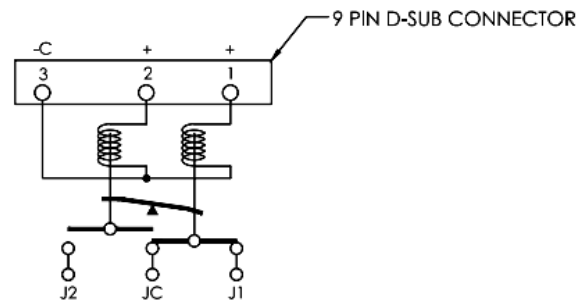
- See backside for a full list of available features and options
- Contact us for high power and custom designs

* at nominal voltage and +20°C

Schematics:



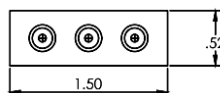
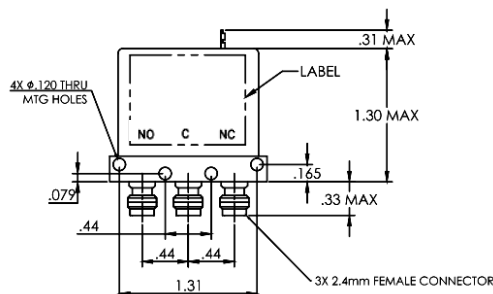
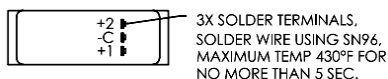
Standard



SPDT with 9 Pin D-Sub Connector

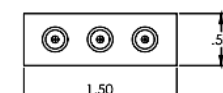
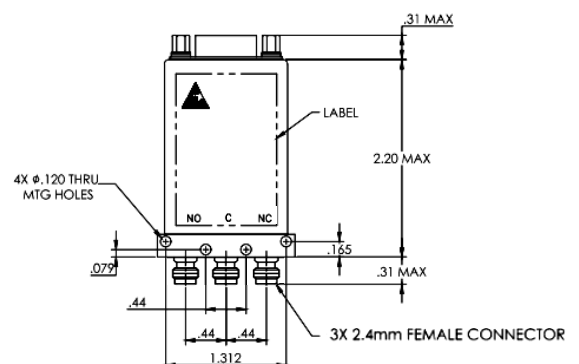
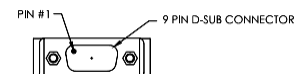
Outline:

Standard Body



H = 1.30 max standard
H = 2.20 max with TTL/Indicators
All dimensions are in inches

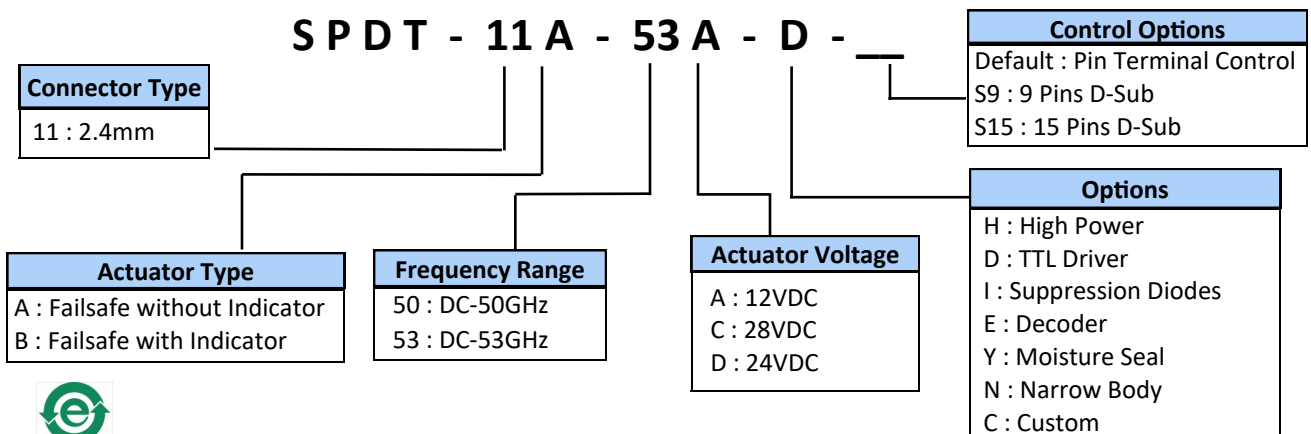
Standard Body with TTL/Ind.



Model Numbering System

Example: SPDT-11A-53A-D

(SPDT, 2.4mm Connector, Failsafe without indicator, DC-53GHz, 12VDC, TTL Driver, Pin Terminal Control)



ISO 9001: 2015
Certificate No. : Q1670



* Solder pins are standard for SPDT, no designation on model number needed