USB Absorptive Coaxial SPST Switch
2 - 50GHz

Features

- Wide Band Operation 2-50GHz
- USB Controlled and Powered.
- Low Insertion Loss and High Isolation
- Customization available upon request
- Control SW included.

RoHS Compliant

Typical Applications

- Automated Test
- Aerospace and military applications

Electrical Specifications, TA = +25° C, USB Powered

Description	PN: RFSPSTA0250GUSB SPST Absorptive Switch Low Power Cold Switching			
Parameters	Min	Typ.	Max	Units
Frequency Range		2-50		GHz
Insertion Loss			2	dB
Insertion Loss Temperature Coefficient		0.003		dB/°C
Isolation	50			dB
Input VSWR				: 1
Output VSWR				: 1
RF Input Power (CW)			0.5	W
DC Power Dissipation				W
0.1dB Compression Point (P0.1dB)				dBm
IIP3				dBm
Weight				ounces
Impedance		50		Ω
Bias Current				mA
Control Interface	USB 2.0 (Control Cable Included)			
Switching Speed	50ns			
Input / Output Connectors	2.4mm-Female			
Finish	Gold Plated or Nickel Plated			
Material	Aluminum			

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Absolute Maximum Ratings

RF Input Power	+27dBm

Ordering Information

Part No.	ECCN	Description
RFSPSTA0250GUSB	EAR99	SPST 2-50GHz PIN Diode Switch

Environmental Specifications

Operational Temperature (°C)	-20 ~ +75
Storage Temperature (°C)	-40 ~ +85
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Shock	20G for 11msec half sine wave, 3 axis both directions

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Outline Drawing:

All Dimensions in mm [inches]

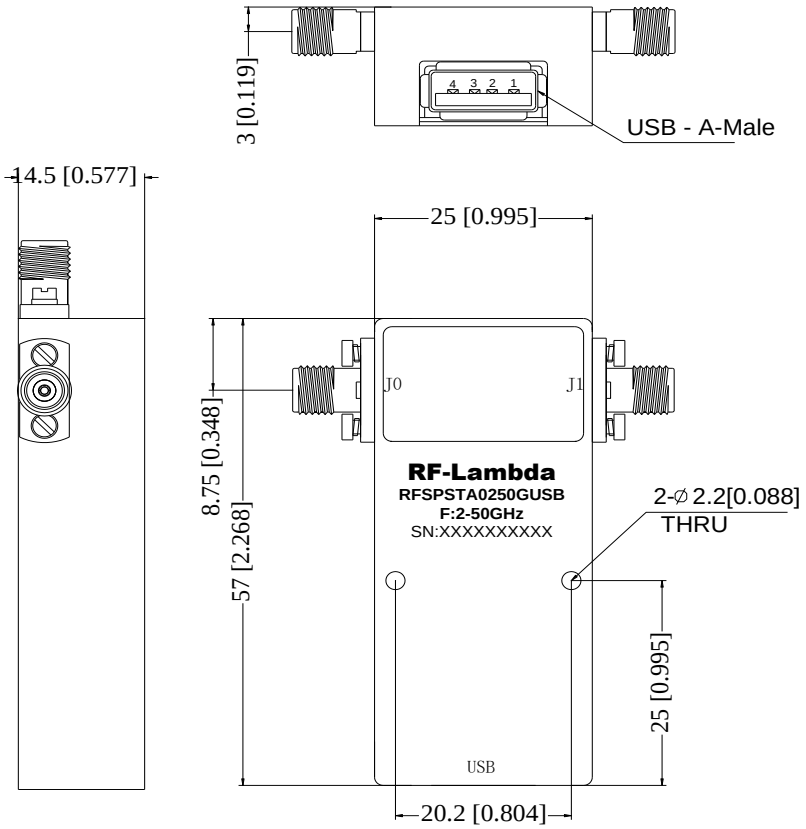

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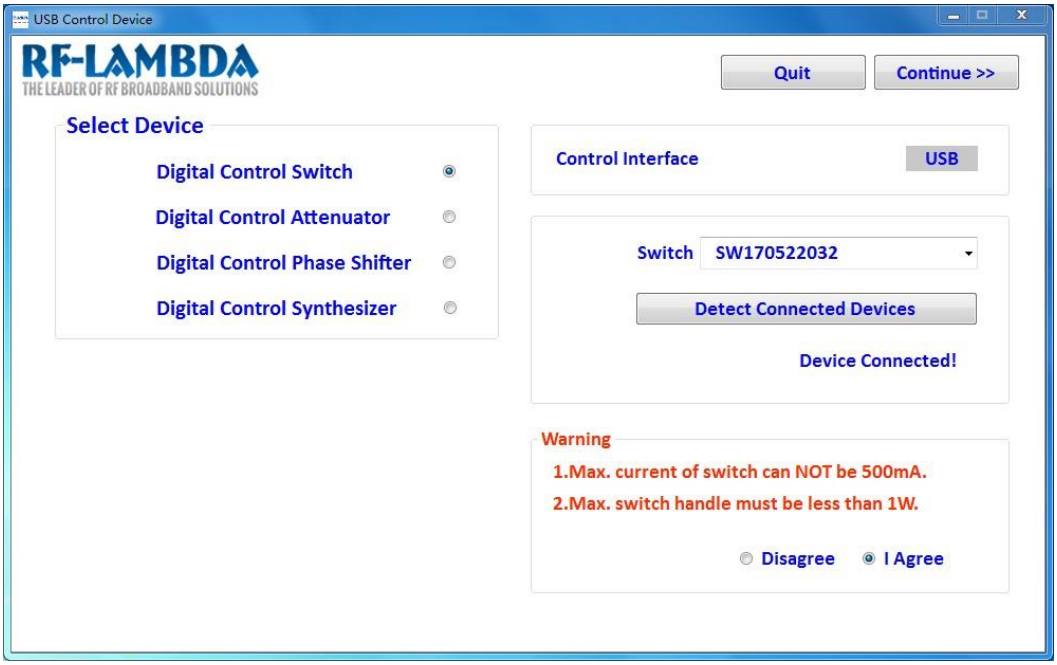
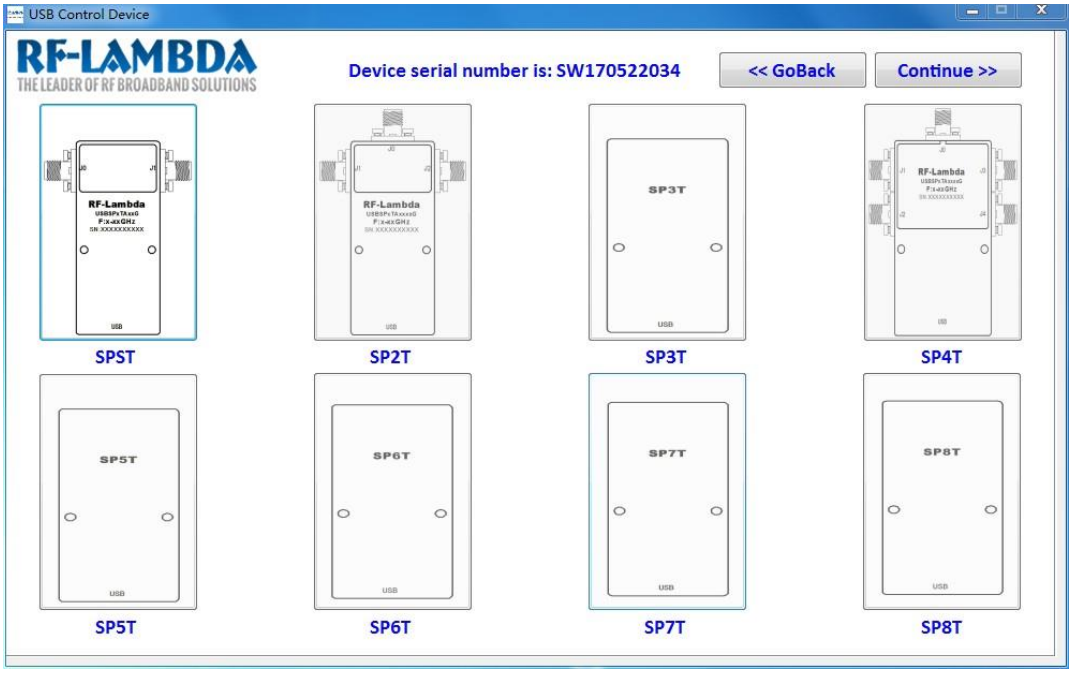
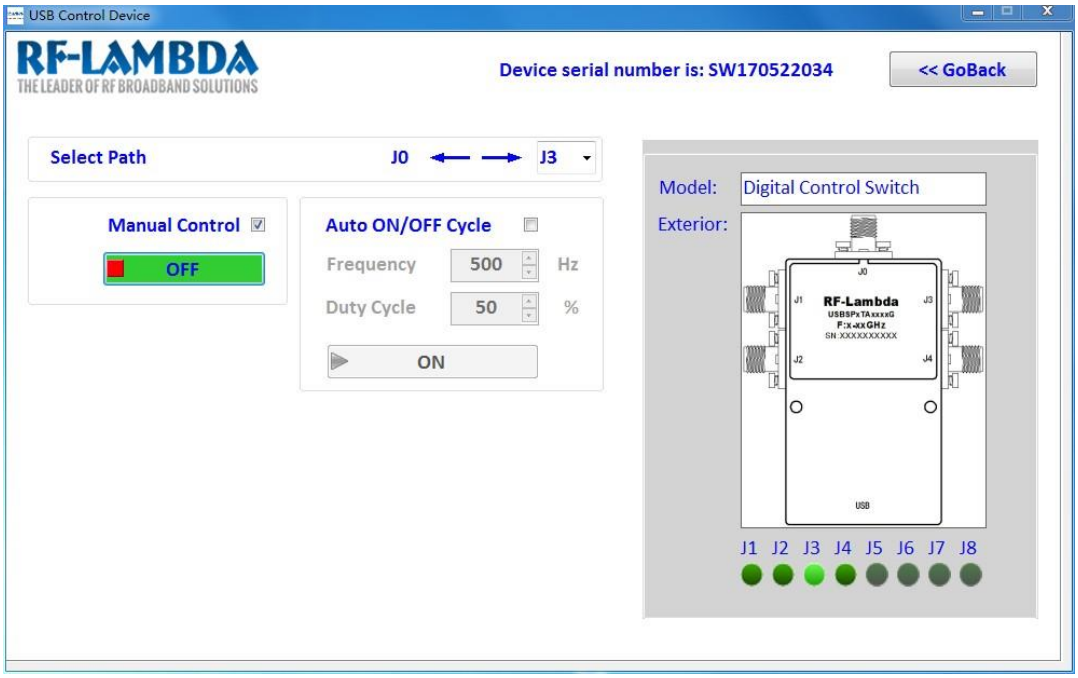
Figure 1 (USB Control Panel)







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