



# RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

## RFSPSTA1840GUSB

### USB Absorptive Coaxial SPST Switch 18 - 40GHz



#### Features

- Wide Band Operation 18-40GHz
- USB Controlled and Powered.
- Low Insertion Loss and High Isolation
- Customization available upon request
- Control SW included.

#### Typical Applications

- Automated Test
- Aerospace and military applications

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

Description	PN: RFSPSTA1840GUSB			
	SPST Absorptive Switch			
	Low Power Cold Switching			
Parameters	Min	Typ.	Max	Units
Frequency Range	18-40			GHz
Insertion Loss			4	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 (Po.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	2.92mm-Female			
Finish	Gold Plated or Nickel Plated			
Material	Aluminum			

USB Absorptive Coaxial Single Pole Single Throw Switch 18 - 40GHz



**Absolute Maximum Ratings**

RF Input Power	+27dBm
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**Ordering Information**

Part No.	ECCN	Description
RFSPSTA1840GUSB	EAR99	SPST 18-40GHz 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



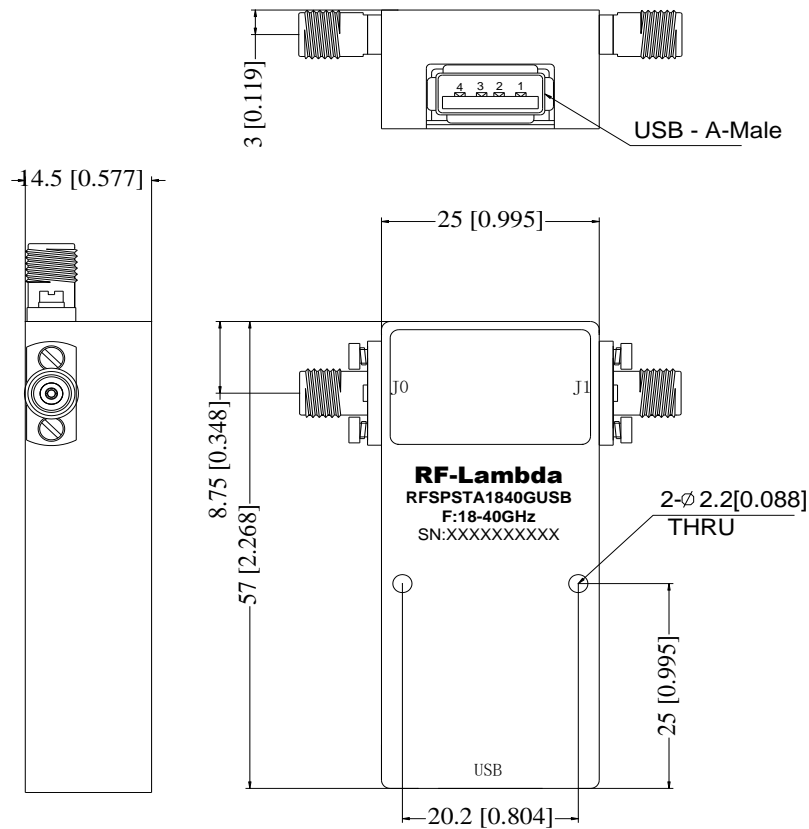
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### Outline Drawing:

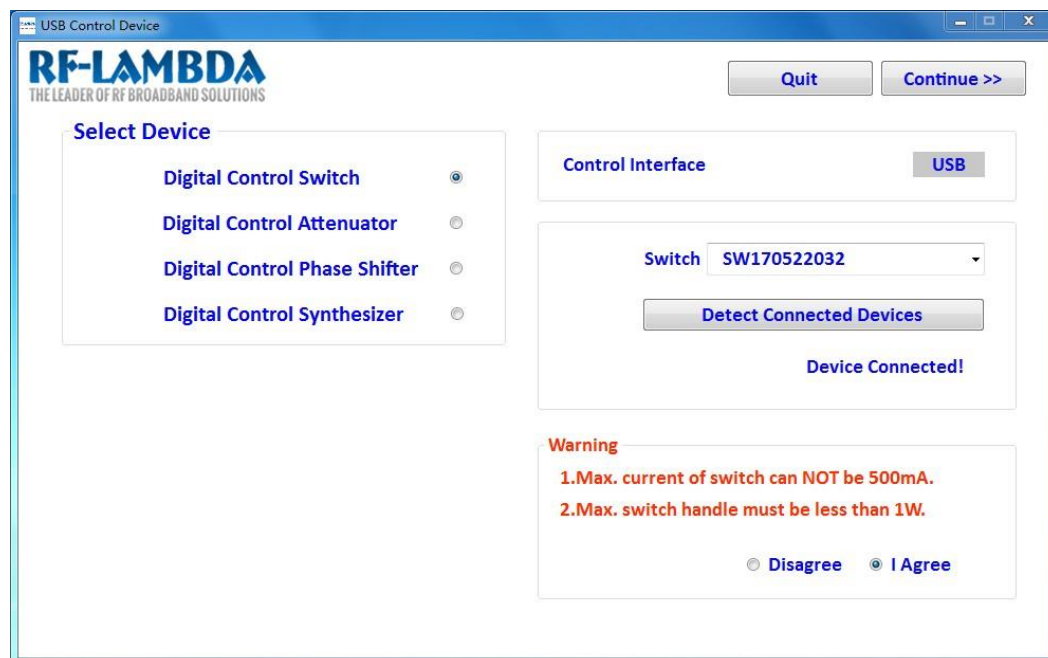
All Dimensions in mm [inches]



USB Absorptive Coaxial Single Pole Single Throw Switch 18 - 40GHz



Figure 1 (USB Control Panel)



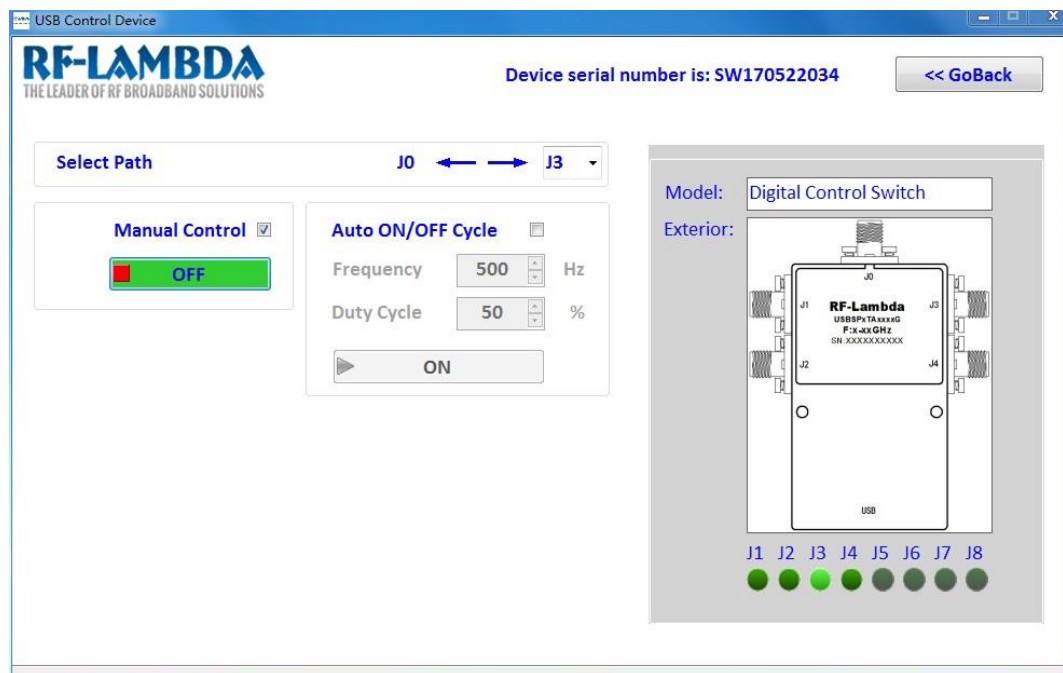
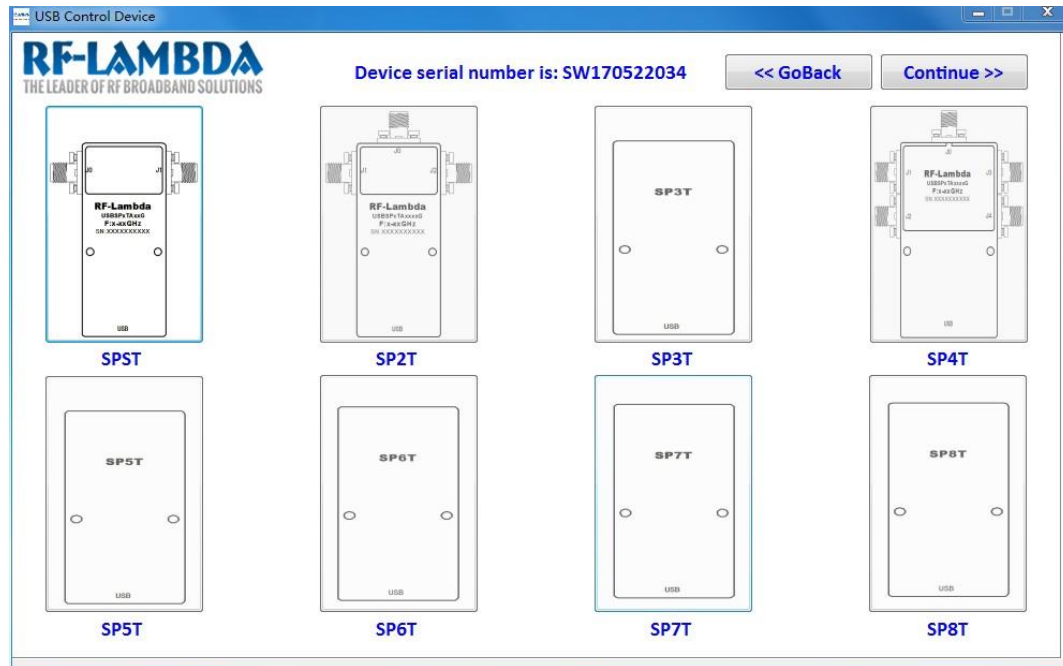


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