



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP2TA1840GUSB

USB Absorptive Coaxial SP2T 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: RFSP2TA1840GUSB			
	SP2T Absorptive Switch			
	Low Power Cold Switching			
Parameters	Min	Typ.	Max	Units
Frequency Range	18-40			GHz
Insertion Loss			5	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 Double Throw Switch 18 - 40GHz



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP2TA1840GUSB

Absolute Maximum Ratings

RF Input Power	+27dBm
----------------	--------

Ordering Information

Part No.	ECCN	Description
RFSP2TA1840GUSB	EAR99	SP2T 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

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



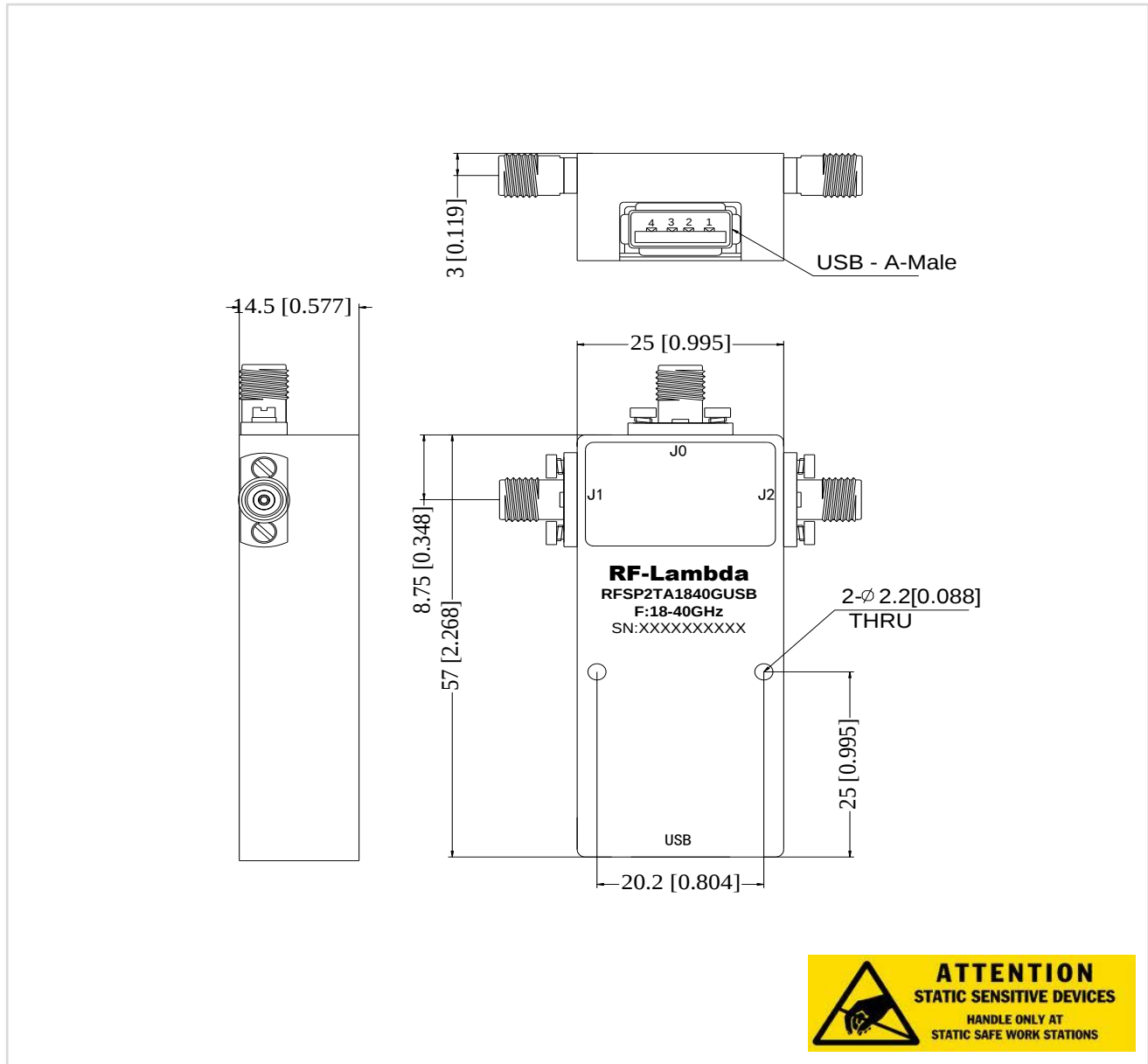
RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP2TA1840GUSB

Outline Drawing:

All Dimensions in mm [inches]



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



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP2TA1840GUSB

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



Figure 1 (USB Control Panel)



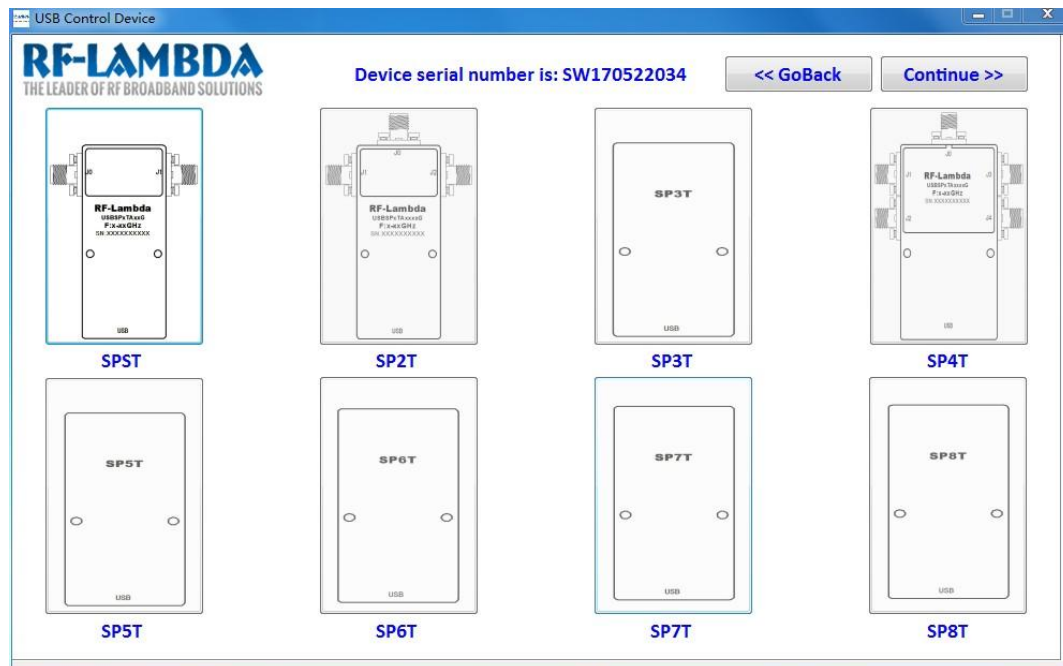


RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP2TA1840GUSB

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



Important Notice

The information contained herein is believed to be reliable. RF-Lambda makes no warranties regarding the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for any of the information contained herein. RF-Lambda assumes no responsibility or liability whatsoever for the use of the information contained herein. The information contained herein is provided "AS IS, WHERE IS" and with all faults, and the entire risk associated with such information is entirely with the user. All information contained herein is subject to change without notice. Customers should obtain and verify the latest relevant information before placing orders for RF-Lambda products. The information contained herein or any use of such information does not grant, explicitly or implicitly, to any party any patent rights, licenses, or any other intellectual property rights, whether with regard to such information itself or anything described by such information. RF-Lambda products are not warranted or authorized for use as critical components in medical, life-saving, or life sustaining applications, or other applications where a failure would reasonably be expected to cause severe personal injury or death.