



RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

RFSP4TA3033GUSB

USB Absorptive Coaxial SP4T Switch 30 - 33GHz

Features

- Wide Band Operation 30-33GHz
- 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: RFSP4TA3033GUSB			
	SP4T Absorptive Switch			
	Low Power Cold Switching			
Parameters	Min	Typ.	Max	Units
Frequency Range	30-33			GHz
Insertion Loss			5	dB
Insertion Loss Temperature Coefficient		0.003		dB/°C
Isolation	50			dB
Input VSWR			2.5	: 1
Output VSWR			2.5	: 1
RF Input Power (CW)			0.2	W
DC Power Dissipation		0.8		W
0.1dB Compression Point (Po.1dB)		23		dBm
IIP3		55		dBm
Switching Speed	200			ms
Weight	1.76			ounces
Impedance	50			Ω
Bias Current	150			mA
Control Interface	USB 2.0 (Control Cable Included)			
Input / Output Connectors	SMA-Female			
Finish	Gold or Nickel Plated			
Material	Aluminum			

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Absolute Maximum Ratings

RF Input Power	+23 dBm
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Ordering Information

Part No.	ECCN	Description
RFSP4TA3033GUSB	EAR99	SP4T 30-33GHz PIN Diode Switch

Environmental Specifications

Operational Temperature (°C)	-45 ~ +85
Storage Temperature (°C)	-50 ~ +125
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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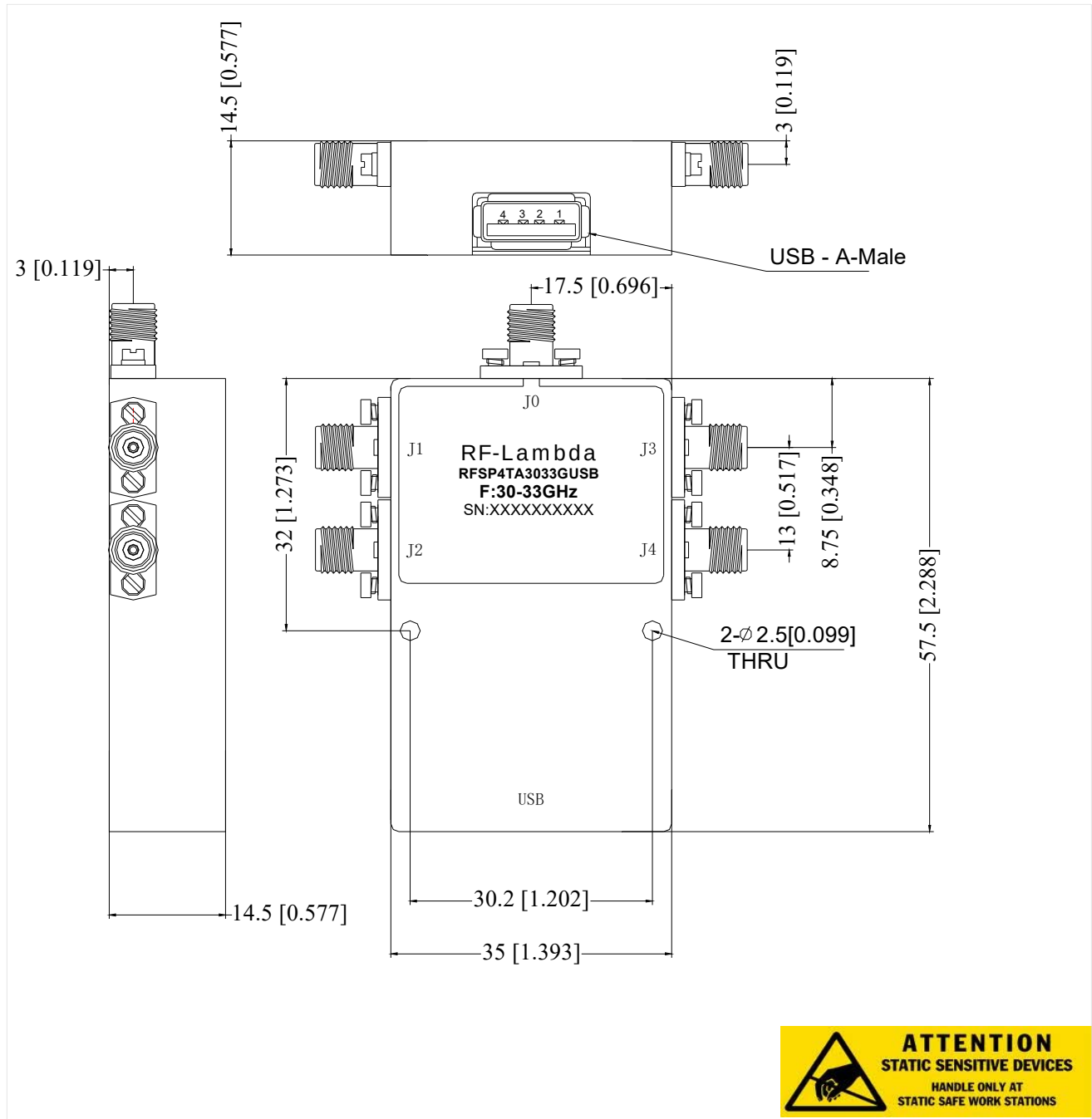
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Outline Drawing:

All Dimensions in mm [inches]



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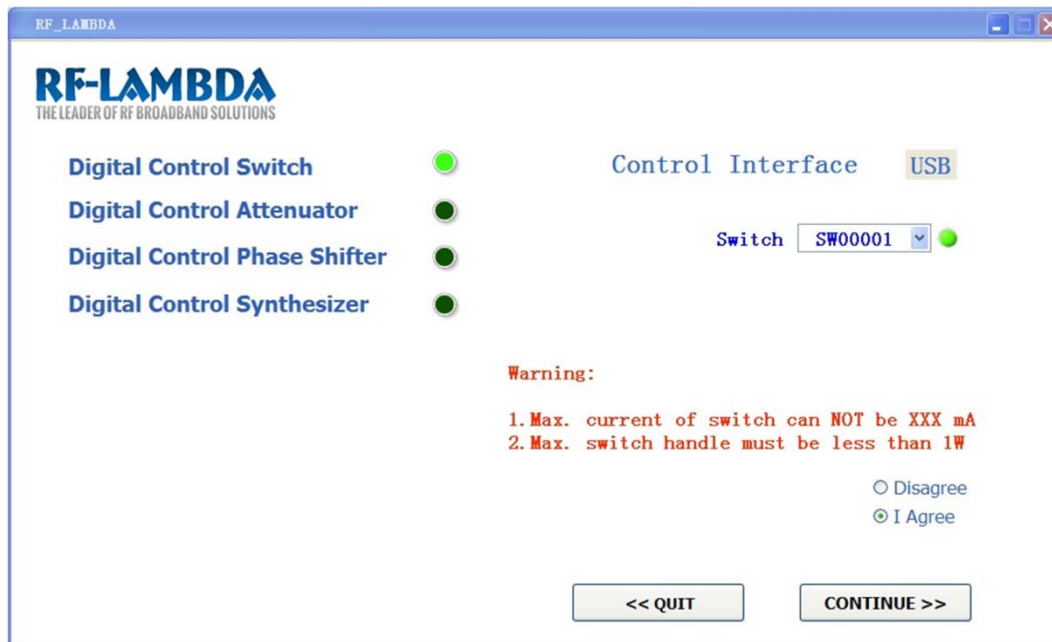
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Figure 1 (USB Control Panel)

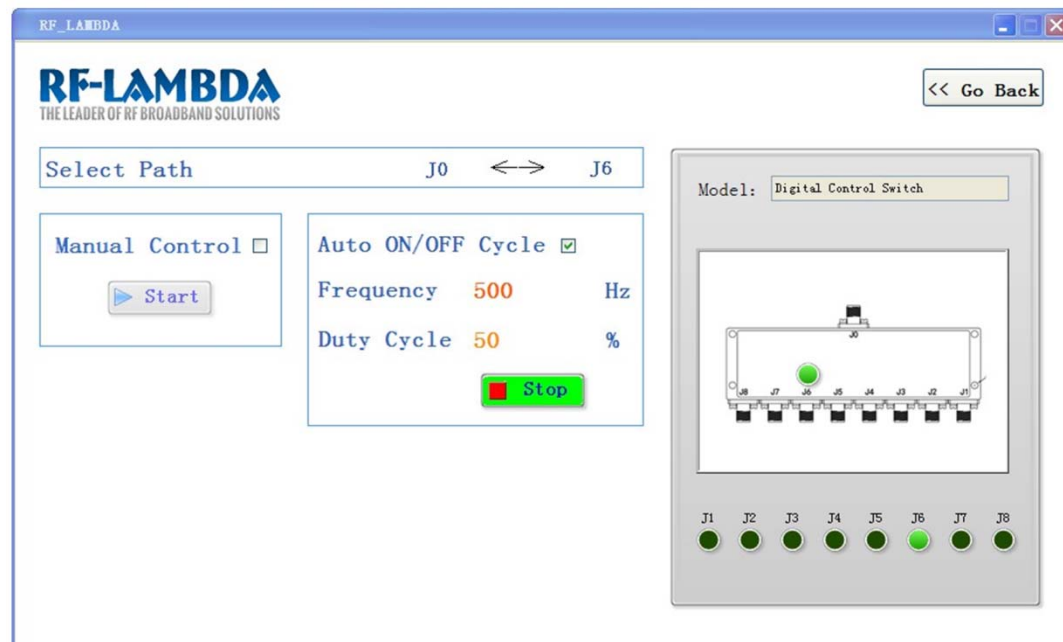
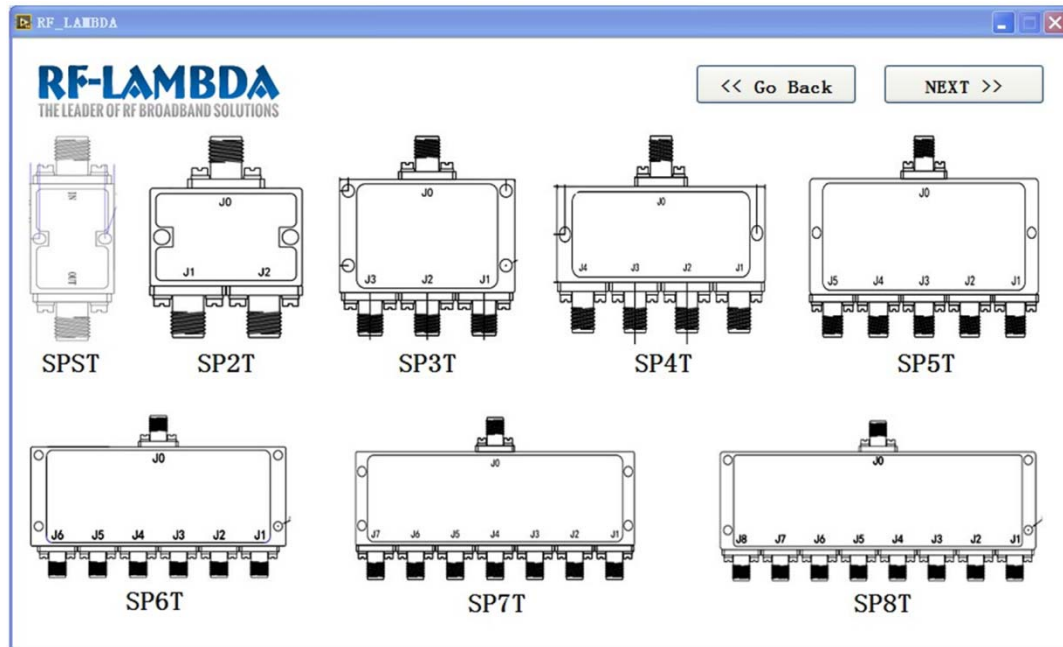




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