



# RF-LAMBDA

LEADER OF RF BROADBAND SOLUTIONS

## RFVAT1826R30

### Reflective Voltage Control Attenuator 18 - 26.5GHz



#### Features

- Wide Band Operation 18-26.5GHz
- Wide Attenuation Range 30dB
- Reflective Topology
- Single Control Operation
- Customization available upon request

#### Electrical Specifications, TA = +25 °C

Description	PN: RFVAT1826R30			
	Reflective Voltage Attenuator			
Parameters	Min	Typ	Max	Units
Frequency Range	18~26.5			GHz
Attenuation Range		30		dB
Insertion Loss		1.8	2.5	dB
Insertion Loss Temperature Coefficient		0.01		dB/°C
Input VSWR		1.5	2	:1
Output VSWR		1.5	2	:1
0.1dB Compression Point (Po.1dB)		30		dBm
Input Ip3		43		dBm
Switching Speed			2.5	us
Control Voltage	0		10	V
Weight	1.2			ounces
Impedance	50			Ω
current	20			mA
Input / Output Connectors	SMA-Female			
Finish	Gold Plated			
Material	Aluminum			
Sealing	Hermetically Sealed (optional)			

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**Absolute Maximum Ratings**

Control Voltage	0 ~ 13V
RF Input power	+30dBm

**Ordering Information**

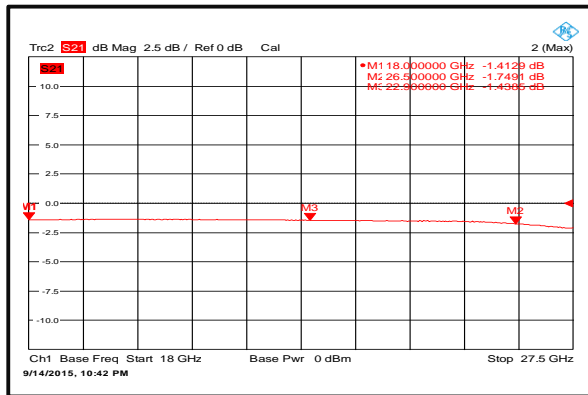
Part No.	ECCN	Description
RFVAT1826R30	EAR99	18-26.5GHz Voltage Control Attenuator

**Environmental Specifications**

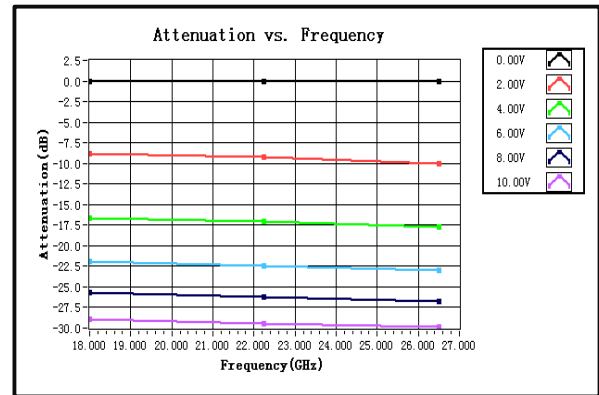
Operational Temperature (°C)	-45°C~+85°C
Storage Temperature (°C)	-55°C~+125°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

**Typical Performance Plots**

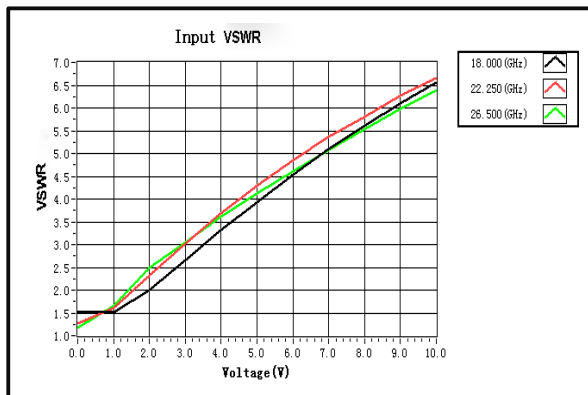
**Insertion Loss**



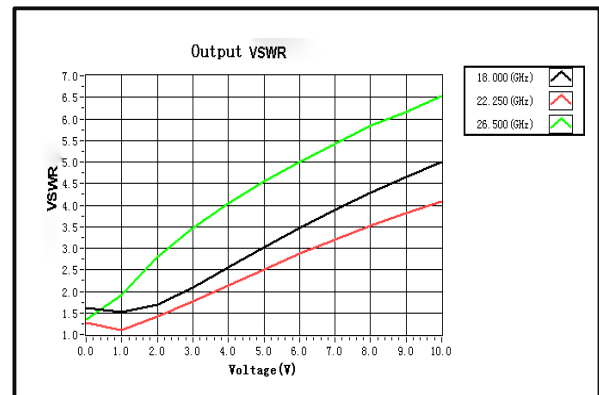
**Attenuation vs. Frequency**



**Input VSWR**



**Output VSWR**

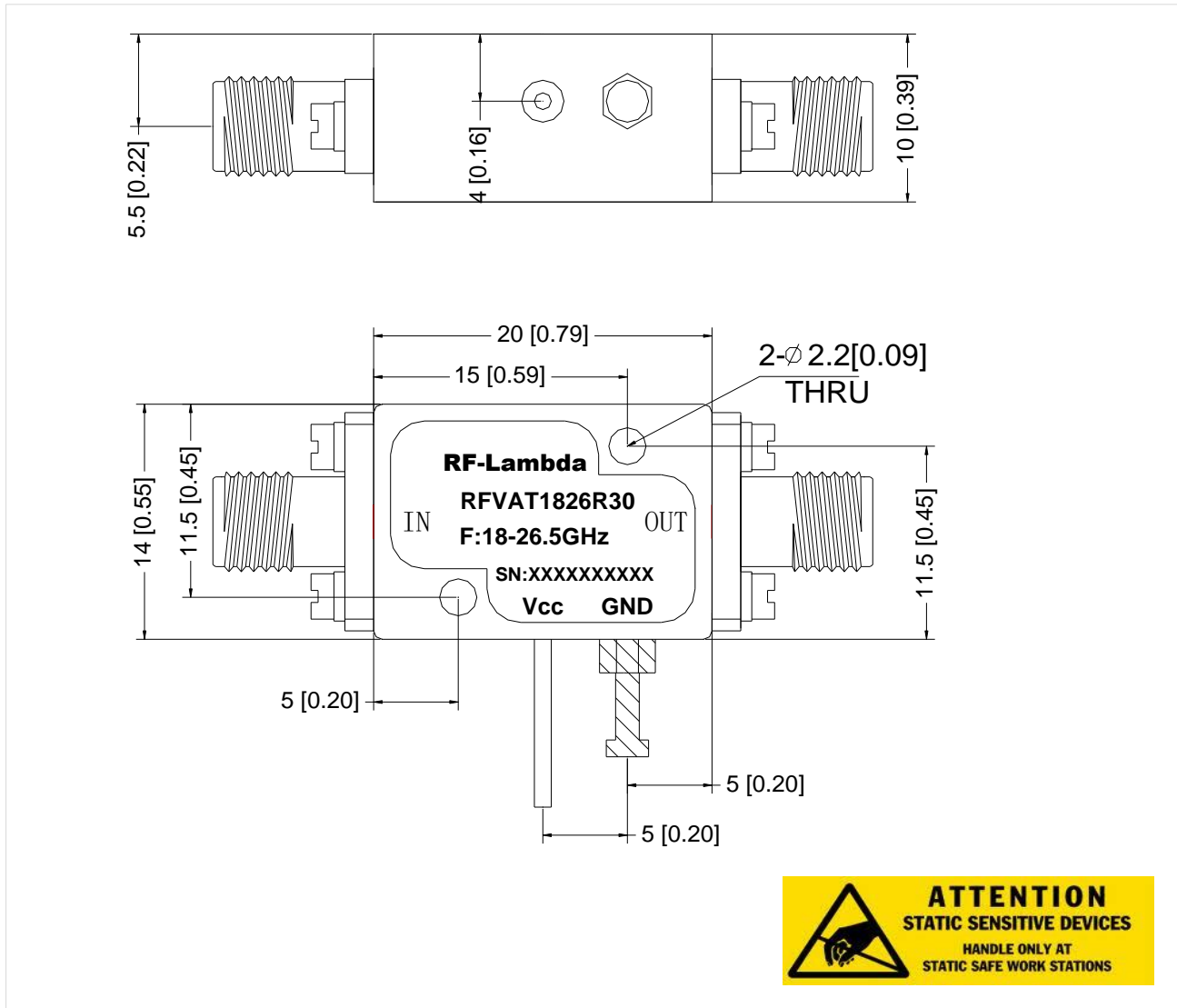


**Reflective Voltage Control Attenuator 18 - 26.5GHz**



### Outline Drawing:

All Dimensions in mm [inches]



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### Important Notice

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