Absorptive Voltage Control Attenuator 2-18GHz

RoHS Compliant

Features

- Wide Band Operation 2-18GHz
- Wide Attenuation Range 30dB
- Absorptive Topology
- Singe Control Operation
- Customization available upon request

Electrical Specifications, TA = +25 °C

Description	PN: RFVAT0218B30			
	Absorptive Voltage Attenuator			
Parameters	Min	Typ.	Max	Units
Frequency Range	2		18	GHz
Attenuation Range		30		dB
Insertion Loss		2	2.5	dB
Insertion Loss Temperature Coefficient		0.003		dB/°C
Input VSWR		1.5	1.8	
Output VSWR		1.5	1.8	
Input Power	27			dBm
1dB Compression P1dB		30		dBm
IM3		43		dBc
Switching Speed			2.5	us
Weight	0.8			ounces
Impedance	50			Ω
current	15			mA
Input /Output Connector	SMA-Female (Standard)			
Finishing	Gold plating			
Material	Aluminum			
Seal	Hermetically Sealed (optional)			

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Absolute Maximum Ratings

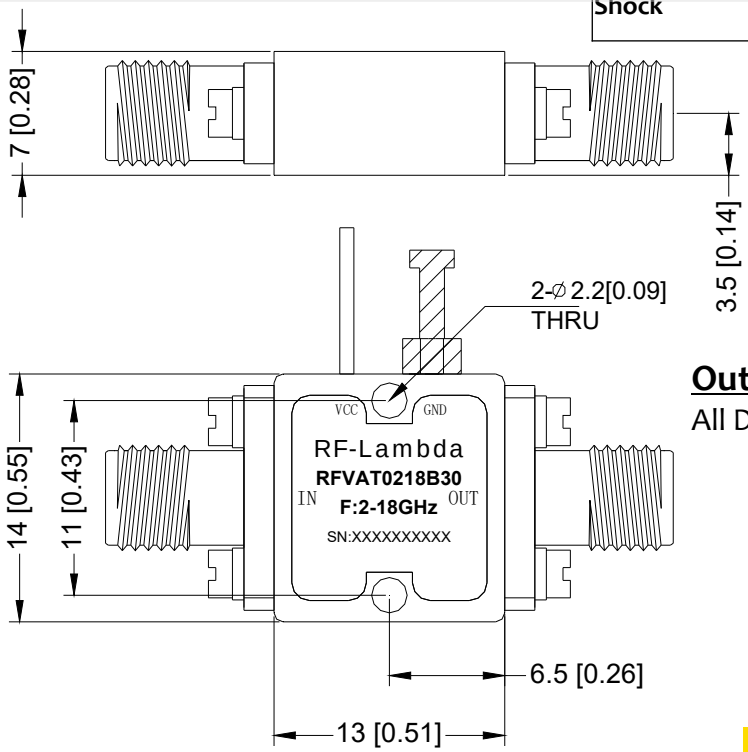
Control Voltage	DC ~ 5V
RF Input power	+30dBm
OperatingTemperature(℃)	-45 ~ +85
Storage Temperature(℃)	-50 ~ +125

Ordering Information

Part No	ECCN	Description
RFVAT0218B30	EAR99	2-18GHz Voltage Control Attenuator

Environment specifications

Operational Temperature (℃)	-45 ~ +85
Storage Temperature (℃)	-50 ~ +125
Altitude	30,000 ft. (Epoxy Seal Controlled environment) 60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment) (Optional)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 deg c
Shock	20G for 11msc half sin wave,3 axis both directions



Outline Drawing:

All Dimensions in mm（inches）

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