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MODEL 5300473-100

**20 - 1000 MHz
 VARIABLE VOLTAGE
 ATTENUATOR**

Solid State Broadband High Power RF Amplifier

The 5300473-100 is a variable voltage attenuator that covers the 20-1000MHz frequency range. This small and lightweight VVA can provide an excellent insertion loss and a wide dynamic range.

Due to robust engineering and employment of the most advanced devices and components, this VVA has proven reliability.

Specifications subject to change without notice.

	Parameter	Specification @ 25° C
Electrical		
1	Frequency Range	20 – 1000 MHz
2	Attenuation	20dB typ.
3	Insertion Loss	-1.0 dB typ.
4	RF Input	+3dBm Max, 0dBm typ.
5	Input VSWR	2:1 max
6	Control Voltage	0-8.0 VDC Max 7.5VDC typ. for min Attenuation, 0VDC for Max Attenuation
7	Flatness	+/- 2.5dB
8	Input/Output Impedance	50 Ohms nominal
9	DC Input Current	750 mA Max
10	DC Input	13 VDC nominal
11	Input RF Switch (controlled by A, B input)	SPDT, internal 50 Ohm load
Mechanical		
11	Dimensions	3.1" x 2.0" x 0.7"
12	Weight	0.1 Lb.
13	Connectors	SMA female
14	Grounding	Chassis
Environmental		
15	Baseplate Temperature	0° C to +50° C
16	Operating Humidity	95% Non-condensing
17	Operating Altitude	Up to 10,000' Above Sea Level
18	Shock and Vibration	Normal Truck Transport



Representation of module

Input RF switch control (A, B) - Truth table

CONTROL INPUT :		SIGNAL PATH STATE :		CONDITION	
A	B	:	RFC TO:	:	STATUS:
LOW	HIGH	:	RF THRU PATH	:	NORMAL OPERATION
HIGH	LOW	:	INTERNAL 50Ω LOAD	:	PROTECTION MODE

(LOGIC: HIGH = 3 - 5VDC, LOW = <1.0 VDC)