

Manual Step Attenuator

- ◆ DC to 5.8GHz
- ◆ 0 to 35dB in 1dB Step
- ◆ 5 Watt
- ◆ Choice of SMA or N Type Connectors

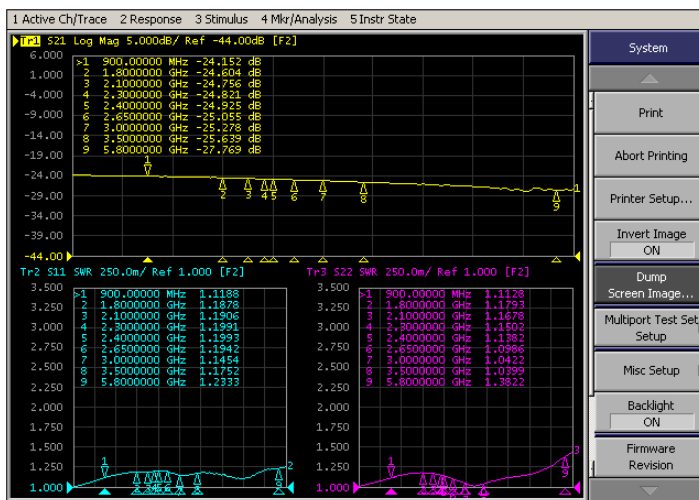


Features

- Using advanced microstrip technology, ultra-small size
- Attenuation values are adjustable in a power-on state, no sudden big reflection.
It adopts an innovative technology, and thus it eliminates sudden big reflection in attenuators when attenuation is being adjusted, preventing the preliminary RF circuit from being burnt, and keeping the system stable
- Step values: 1dB, 2dB, 4dB, 8dB, 10dB, 10dB
- 36 attenuation values
- High attenuation accuracy, low insertion loss
- High adjustment accuracy
- Low cost – High Performance
- Adjusting the transmitting (receiving) distance of RF signal precisely. Adjusting accuracy is limited to 5cm.
- Switch repeatability avg.> 10000 operations (5000 cycles) per switch.
- PC(Polycarbonate) Switch, operating temperature of 120°C is available.
- Attenuation values are adjustable in a power-on state, test data can be read continuously, no interruption.

Characteristic

For example the testing curves of VAS073501N52 of 25dB



Specifications

Frequency Range DC to 5.8GHz
Attenuation 0 to 35dB
Step Value 1dB

Insertion loss at 0dB (typ.)
 0.8dB DC to 3.5 GHz
 1.0dB 3.5 to 5 GHz
 1.2dB at 5.8 GHz

Attenuation Accuracy (typ.)
 ±1.1dB DC to 3.5 GHz
 3.0 dB 3.5 to 5 GHz
 4.5dB at 5.8 GHz (0~32,34dB)
 8dB at 5.8 GHz (only for 33,35dB)

Nominal Impedance 50 Ohm
Average Power 5 Watt
Operating Temperature -40°C to +85°C

Freq. Range (GHz)	VSWR(:1)	
	Typ.	Max.
DC to 3.5	1.25	1.5
3.5 to 5	1.35	1.7
at 5.8	1.45	1.65

Model No. Description

VAS ** ** ** * * *
 Type Attenuation Range Step Value Connector Type Max. Power Connector Option

VAS: Step Variable Attenuator

Type: 07 represents type number

Attenuation Range: Maximum attenuation.

Connector Type: S and N available. S is SMA and N is N type connector.

Max. Power: 2 and 5 are available, currently 2W and 5W are available.

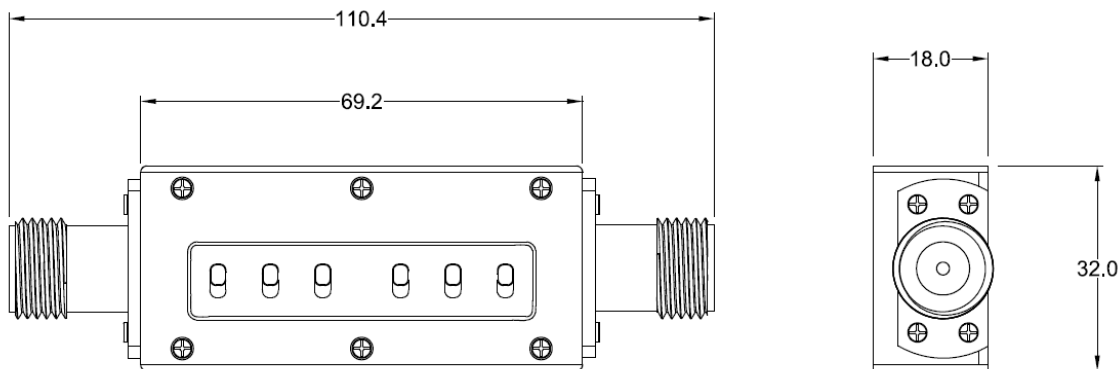
Connector Options:

Options	IO
1	Female/Female
2	Male/Female
3	Male/Male

Connector Position: "A" represents back connectors, without "A" represents left and right connectors.

Package Outlines

N-type Connector



NOTE:

1. ALL dimensions shown in mm(tolerance: +/-0.05mm) unless stated otherwise
2. RoHS Compliant in accordance with EU Directive(2002/95/EC)