

## Manual Step Attenuator

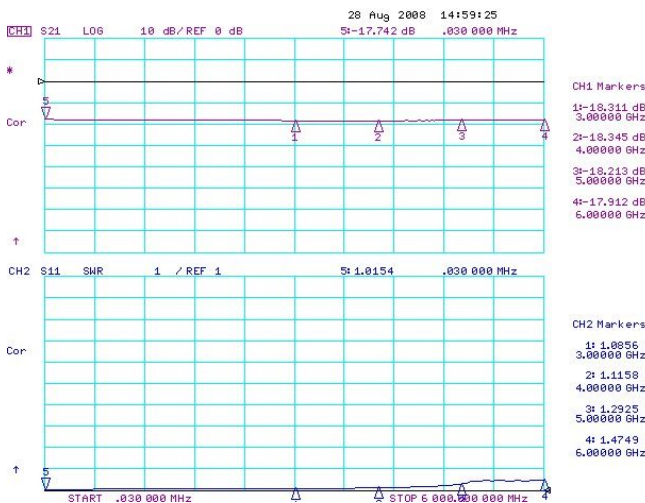
- ◆ DC to 6GHz
- ◆ 0 to 21dB in 3dB Step
- ◆ 2 Watt
- ◆ Connector Type:SMA,N,TNC,F,BNC etc. available.

### 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: 3dB, 6dB, 12dB
- 8 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

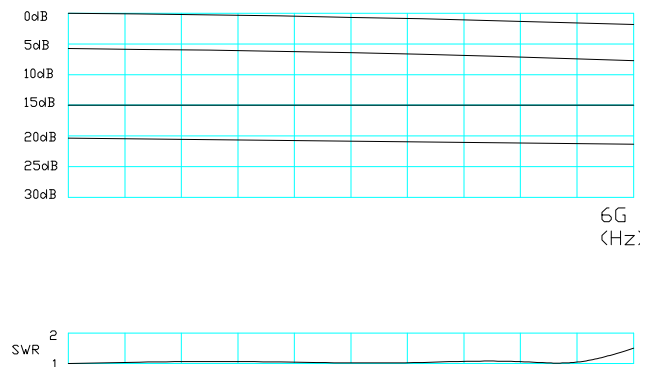
For example the testing curves of VAS062103S22 of 18dB



### Specifications

Frequency Range	DC to 6GHz
Attenuation	0 to 21dB
Step Value	3dB
Insertion loss at 0dB	0.5dB at 3GHz
Attenuation Accuracy (typical)	0 to +1.2dB at 3GHz 0 to +1.7dB at 4GHz -1.5 to +4dB at 6GHz
Nominal Impedance	50 Ohm
Average Power	2 Watt
Operating Temperature	-40°C to +85°C

FREQ. RANGE (GHz)	Typical SWR(:1)	Maximum SWR(:1)
DC to 4	1.15	1.2
4 to 6	1.25	1.7



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**Model No. Description**

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

**VAS:** Step Variable Attenuator

**Type:** 06 represents type number

**Attenuation Range:** Maximum attenuation.

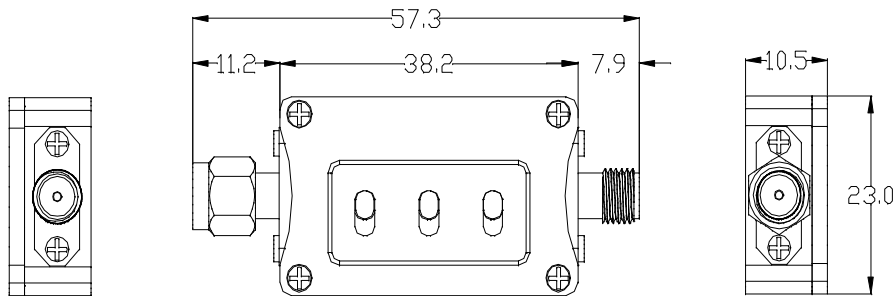
**Connector Type:** S and N available. S is SMA and N is N type connector.

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

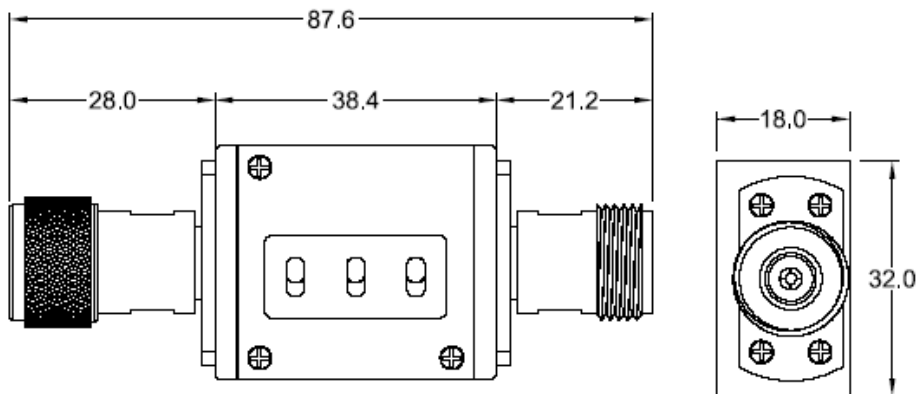
**Connector Options:**

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**
**SMA Connector**


Package type: S22, Net weight: 21.2g

**N-type Connector**


Package type: N22, Net weight: 60.3 g

**NOTE:**

1. ALL dimensions shown in mm(tolerance: +/-0.2mm) unless stated otherwise
2. RoHS Compliant in accordance with EU Directive(2011/65/EU)

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