

### Manual Step Attenuator

- ◆ DC to 4GHz
- ◆ 0 to 74dB in 2dB 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 attenuation 2dB, 4dB, 8dB, 10dB,10dB,10dB, 10dB, 10dB, 10dB
- 38 attenuation values are available
- 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.

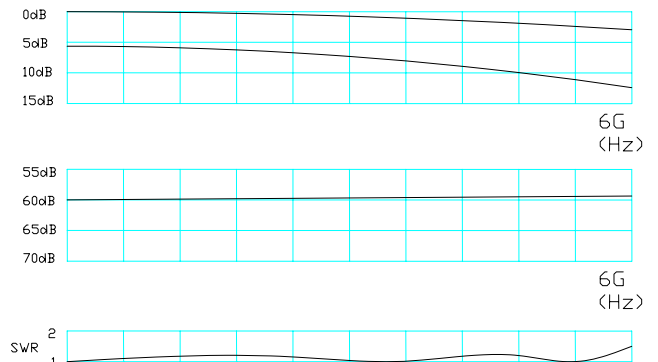
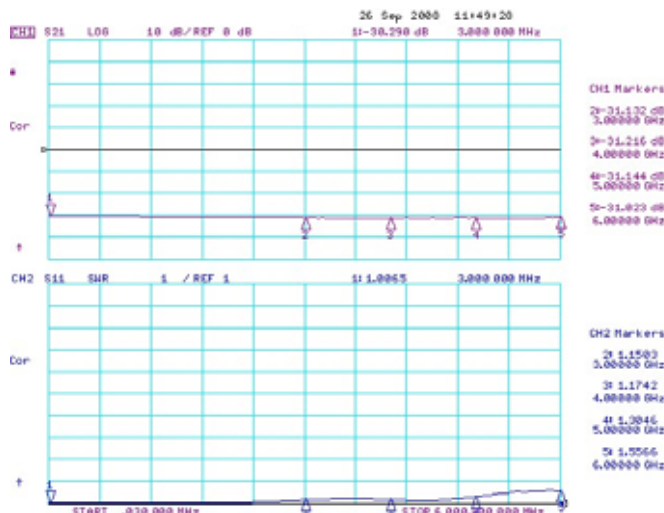
### Specifications

Frequency Range	DC to 4GHz
Attenuation	0 to 74dB
Step Value	2dB
Insertion loss at 0dB	1.8dB at 4GHz
Attenuation Accuracy (typical)	0 to +2dB at 3GHz 0 to +3dB at 4GHz
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

### Characteristic

For example the testing curves of VAS067402S22 of 30dB



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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

**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.

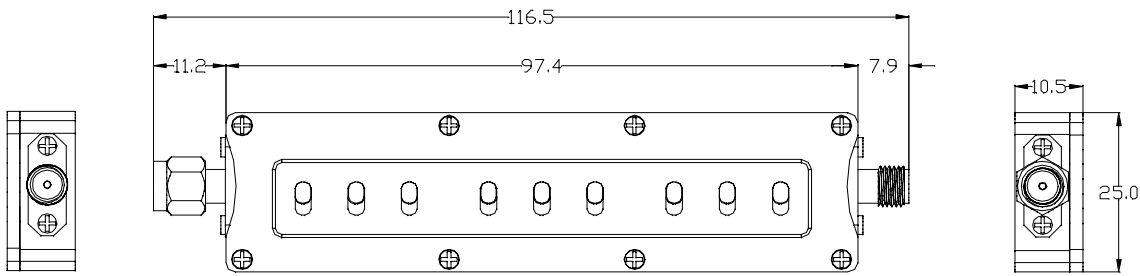
**Max. Power:** 2 and 5 are available, currently 2W and 5W are available.

**Connector Options:**

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

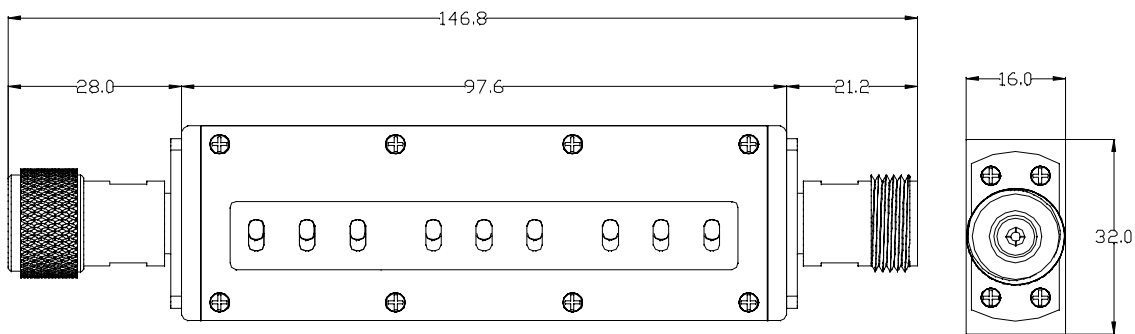
**Package Outlines**

**SMA Connector**



**Package type: S22, Net weight: 50.2g**

**N-type Connector**



**Package type: N22, Net weight: 195g**

**NOTE:**

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