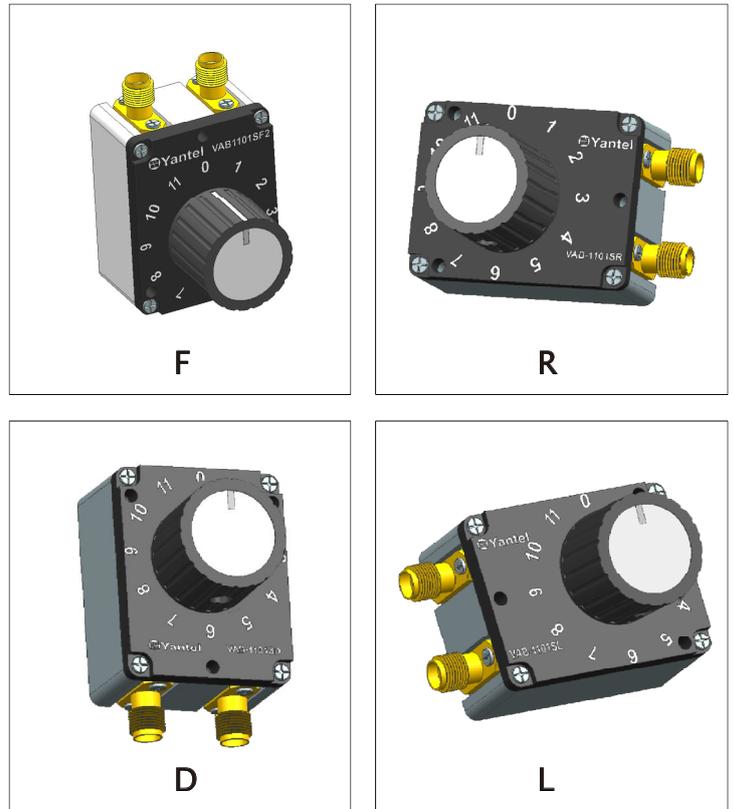


## Variable Attenuator VAB Series

- ◆ DC to 2.7 GHz
- ◆ 0 to 11dB in 1dB Step
- ◆ 2 Watt or 5 Watt
- ◆ SMA Connectors, N type, BNC available

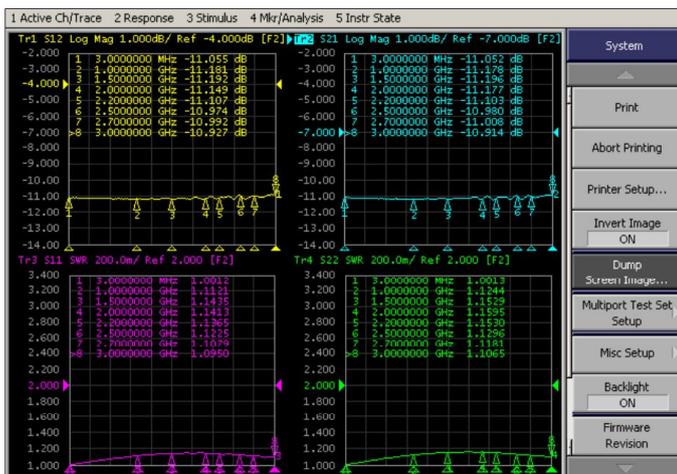
### Features

- Ultra small size with innovative microstrip technology
- Available step value:0dB, 1dB, 2dB, 3dB, 4dB, 5dB, 6dB, 7dB, 8dB, 9dB, 10dB, 11dB.
- High accuracy
- High performance low cost
- Impedance: 50 or 75 ohm
- Operation repeatability:10000 times each switch
- POM material in rotary switch,operating up to 85°C
- Smart size



### Characteristic

For example the testing curves of VAB1101SF2 of 11dB



### Specifications

**Frequency Range** DC to 2.7GHz  
**Attenuation** 0 to 11dB  
**Step Value** 1dB  
**Insertion loss at 0dB** 0.4dB at 2.7GHz

**Attenuation Accuracy**  
 -0.5dB to +0.7dB from DC to 2.7GHz

**Nominal Impedance** 50 Ohm  
**Average Power** 2 Watt , 5 Watt  
**Operating Temperature** -40°C to +85°C

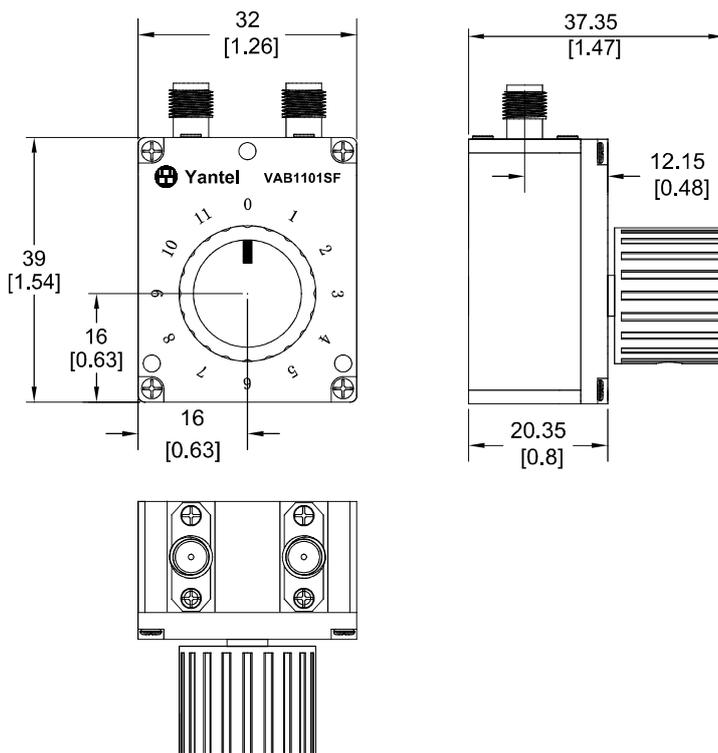
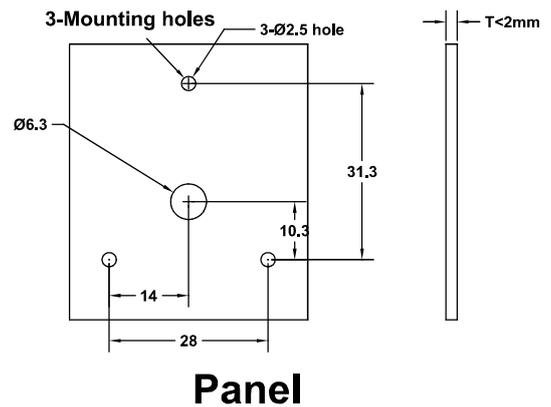
| Freq. Range (GHz) | VSWR(:1) |      |
|-------------------|----------|------|
|                   | Typ.     | Max. |
| DC to 2.7         | 1.15     | 1.30 |

**Model No. Description**
**VAB1101SF\*\***
**Connector Options:**

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

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

**Connector position:** "F" represents connectors on upside,  
 "L" represents connectors on left side,  
 "R" represents connectors on right side,  
 "D" represents connectors on underside,

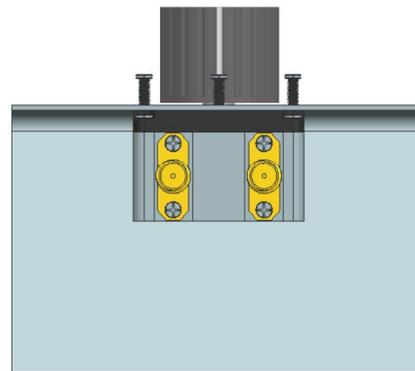
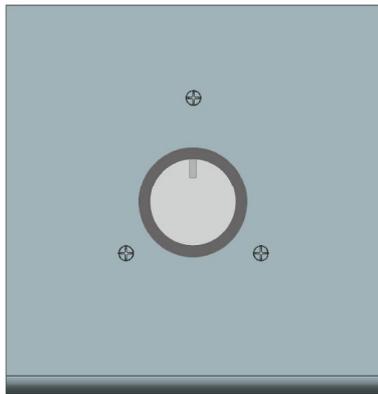
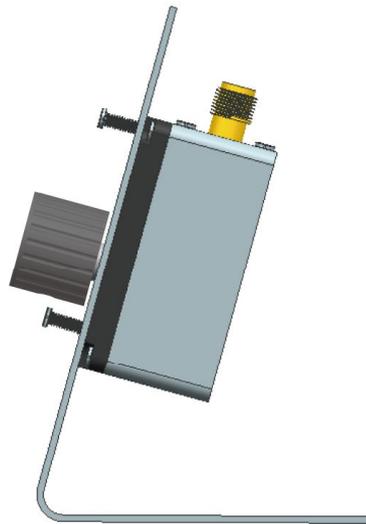
**Package Outlines**
**SMA Connector** unit:mm[inch]

**Mounting holes**

**Panel**
**NOTE:**

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

**Application case:**

**Repeater:** In deploying the indoor repeater system, Rotary Variable Attenuator is ideal to control the signal and keep each repeater in its specific coverage range.

This VAB series can be rack mountable, easier to operate from the rack outside.

**Application**