VAB1101SA2
Variable Attenuator
Patent product

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

RoHS

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℃
- Smart size

Specifications

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

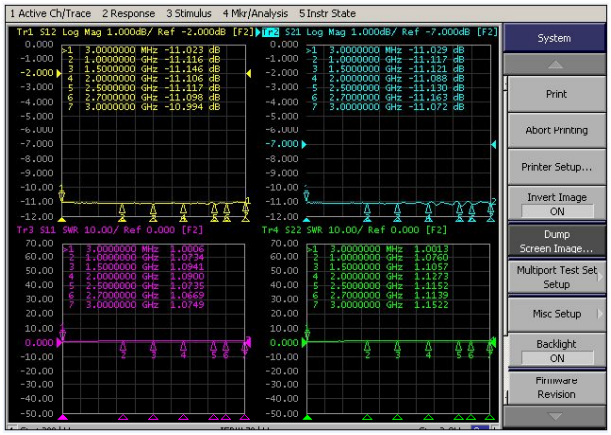
Attenuation Accuracy

-0.5dB to +0.7dB from DC to 2.7GHz

Nominal Impedance	**50 Ohm**
Average Power	**2 Watt**
Operating Temperature	**-40℃ to +85℃**

Characteristic

For example the testing curves of VAB1101SA2 of 11dB



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

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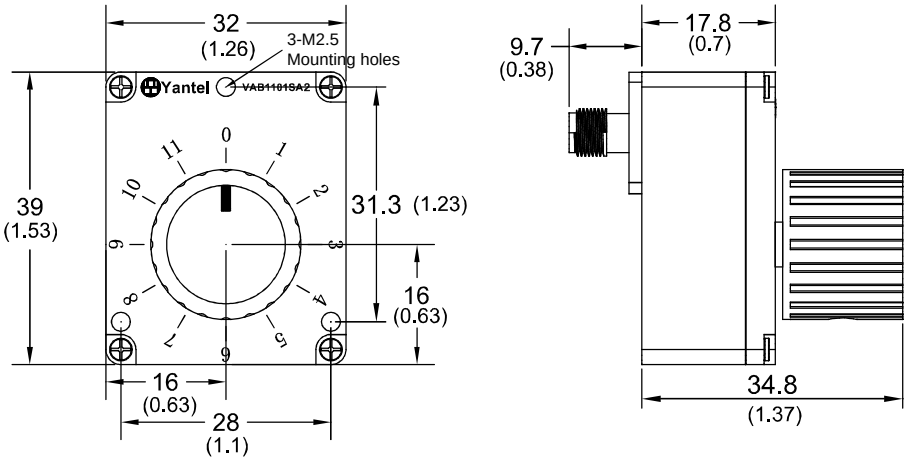
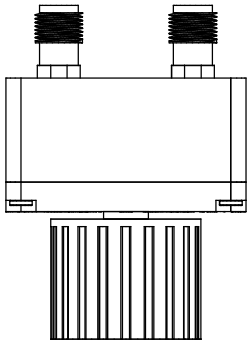
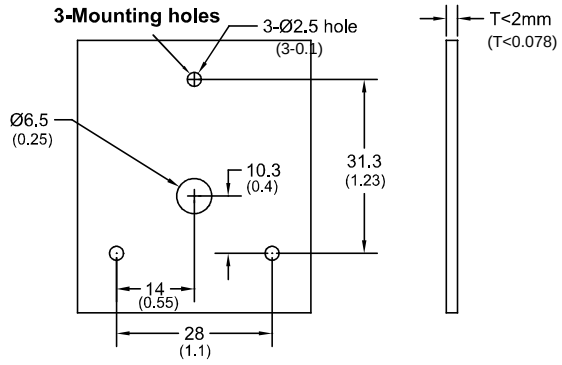
Package Outlines
SMA Connector Units:mm(inch)





Mounting holes



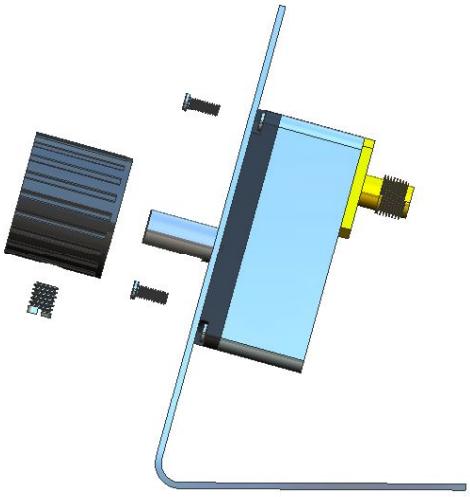
Panel

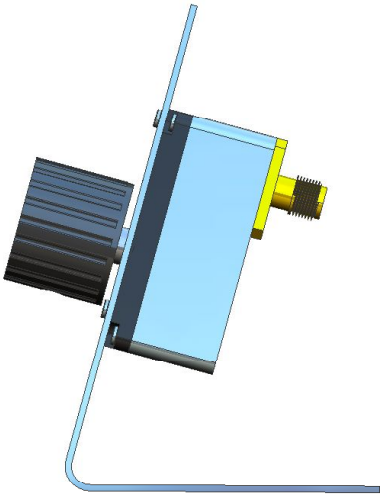
NOTE:

1. **ALL dimensions shown in mm(tolerance: +/-0.2 mm) 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