

Variable Attenuator VAB Series

- ◆ DC to 2.7GHz
- ◆ 0 to 31 dB in 1 dB Step
- ◆ 2 Watt or 5 Watt
- ◆ SMA Connectors, N type, BNC available

Features

- Ultra small size with innovative microstrip technology
- Available step value:0~31dB.
- 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



Specifications

Frequency Range	DC to 2.7GHz
Attenuation	0 to 31dB
Step Value	1 dB
Insertion loss at 0dB	0.50dB at 2.3GHz 0.50dB at 2.5GHz 0.65dB at 2.7GHz

Attenuation Accuracy (typical)	0.55dB at 2.3GHz 0.65dB at 2.5GHz -0.5 to +0.8dB from DC to 2.7GHz
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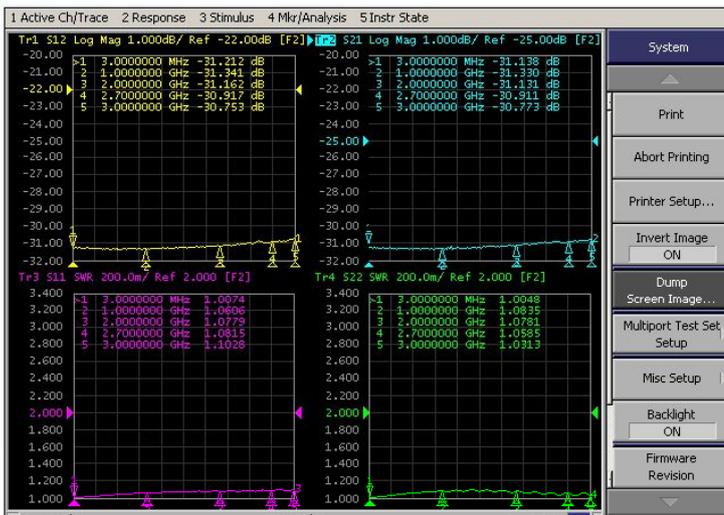
Nominal Impedance	50 Ohm
Average Power	2 Watt
Operating Temperature	-40°C to +85°C

Attenuation 0~31dB

Freq. Range (GHz)	VSWR(:1)	
	Typ.	Max.
DC to 2.7	1.20	1.35

Characteristic

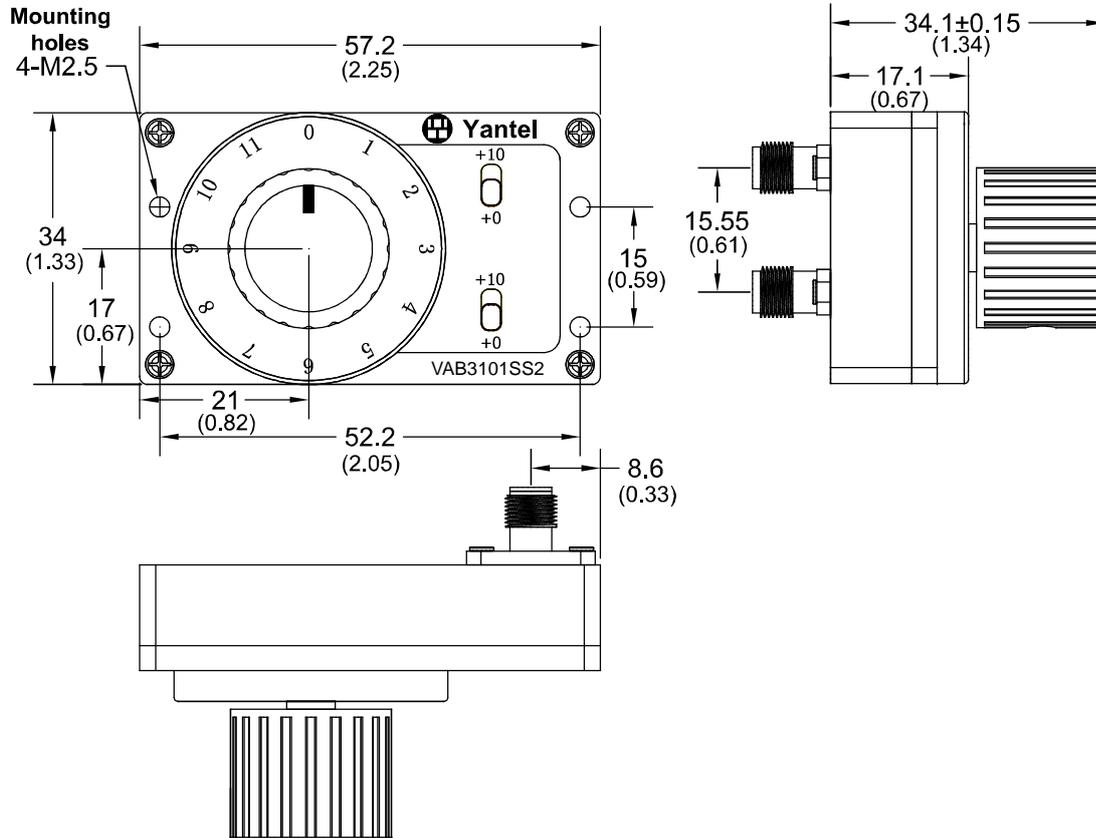
For example the testing curves of VAB3101SS2 of 31 dB



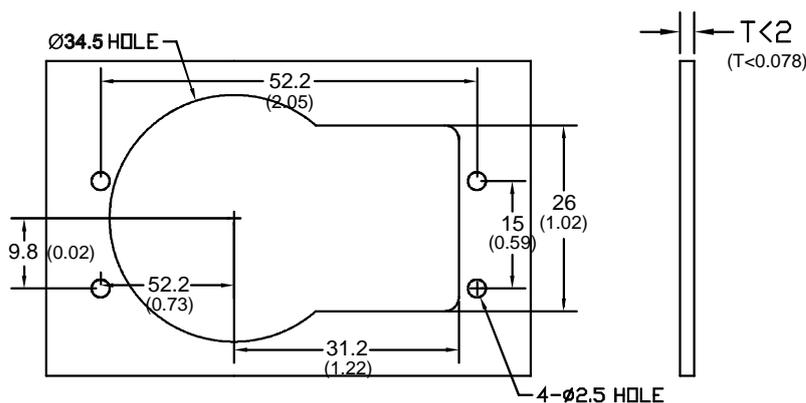
Package Outlines

SMA Connector

Units: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