

Variable Attenuator VAB Series

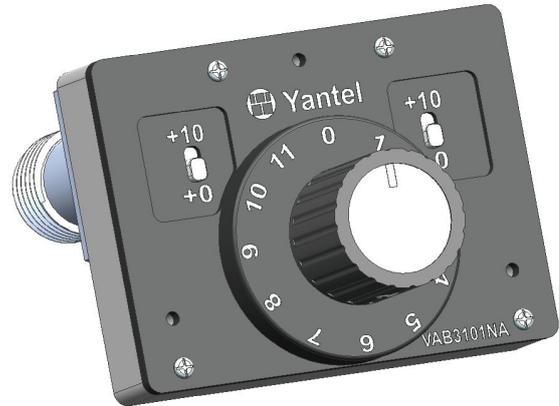
- ◆ DC to 3GHz
- ◆ 0 to 31 dB in 1 dB Step
- ◆ 2 Watt or 5 Watt
- ◆ SMA Connectors, N type, BNC available

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

Characteristic

For example the testing curves of VAB3101NA5 of 31 dB



Specifications

Frequency Range	DC to 3GHz
Attenuation	0 to 31dB
Step Value	1 dB
Insertion loss at 0dB	0.6dB at 2GHz 1.0dB at 3GHz

Attenuation Accuracy	0.3dB at 1GHz (typical) 0.5dB at 1GHz (max)
	0.7dB at 2GHz (typical) 1.1dB at 2GHz (max)
	1.3dB at 2.5GHz (typical) 1.5dB at 2.5GHz (max)
	1.5dB at 3GHz (typical) 2.0dB at 3GHz (max)

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

Attenuation 0~11dB

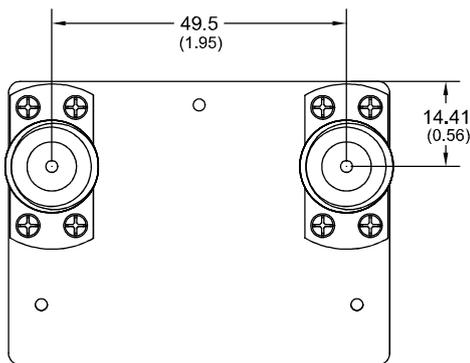
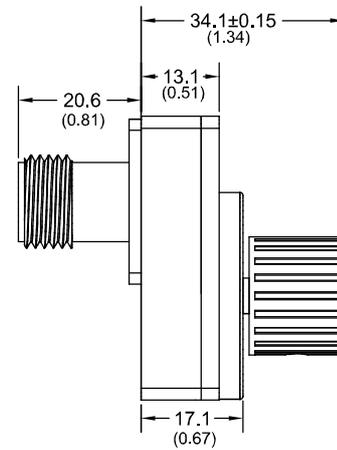
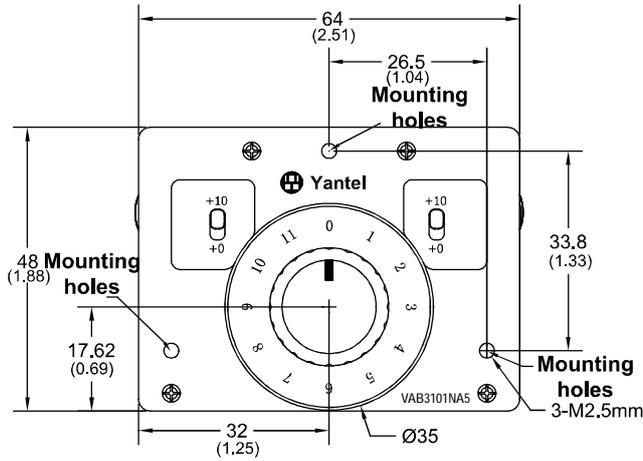
Freq. Range (GHz)	VSWR(:1)	
	Typ.	Max.
DC to 3	1.2	1.45

Attenuation 12~31dB

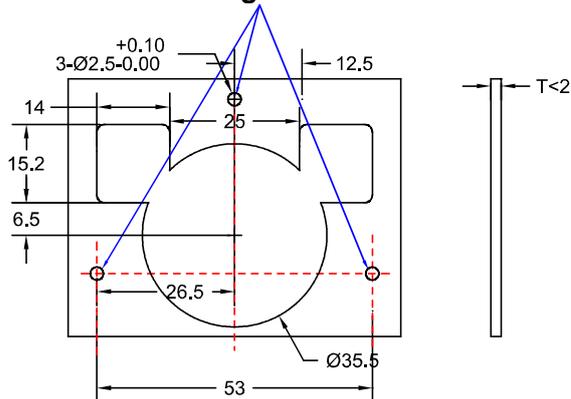
Freq. Range (GHz)	VSWR(:1)	
	Typ.	Max.
DC to 3	1.10	1.35

Package Outlines
N Connector

Units:mm



Mounting holes



Pane

NOTE:

1. ALL dimensions shown in mm (tolerance: +/-0.2mm) unless stated otherwise
2. RoHS Compliant in accordance with EU Directive(2002/95/EC)

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