

**Variable Attenuator
VAB Series**

- ◆ DC to 2.7GHz
- ◆ 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:10000times each switch
- POM material in rotary switch,operating up to 85°C

Characteristic

For example the testing curves of VAB1101N5 of 11dB



Specifications

Frequency Range	DC to 2.7GHz
Attenuation	0 to 11dB
Step Value	1dB
Insertion loss at 0dB	0.5dB at 2.7GHz 1.0dB at 2.7GHz

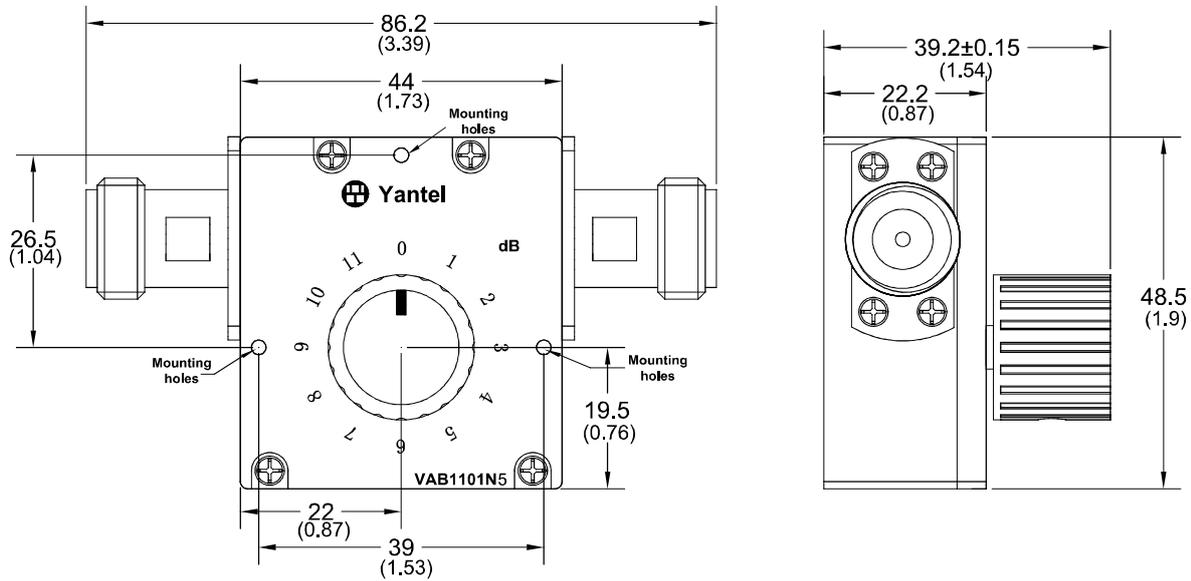
Attenuation Accuracy	0.2dB at 1GHz (typical) 0.5dB at 1GHz (max)
	0.7dB at 2GHz (typical) 1.0dB at 2GHz (max)
	1.0dB at 2.5GHz (typical) 1.5dB at 2.5GHz (max)
	1.5dB at 2.7GHz (typical) 2.0dB at 2.7GHz (max)

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

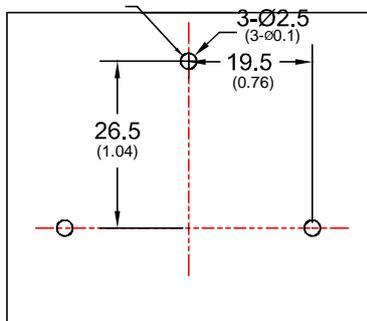
Freq. Range (GHz)	VSWR(:1)	
	Typ.	Max.
DC to 2.7	1.20	1.35

Package Outlines
N Connector

Units:mm(inch)



Mounting holes



Panel

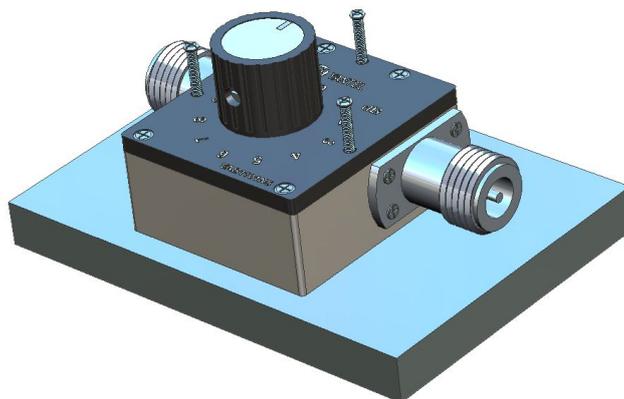
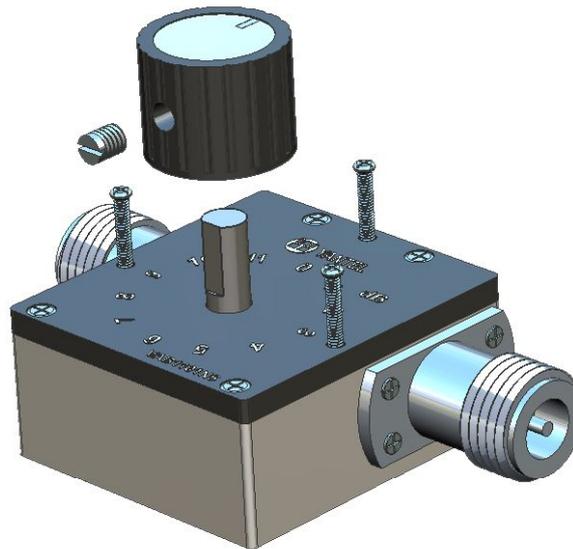
NOTE:

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**