



<b>VWA-0000367 AA</b>
<b>RF Pulse Amplifier</b>

### Description

The **VWA-0000367 AA** is a 20dB gain RF pulse amplifier, providing up to 4,5Vpp in certain configuration, when the RF input pulse is 0,3 to 0,4Vpp.

The VWA-0000367 AA can operate with short pulse less than 400ps in exhibiting less than 100ps of Rise Time and fall Time. It can also operate at low frequency such 1 KHz with pulse width up to 0,8ms.

GDSII file is available for mechanical design.

### Features

- 2 stages pHEMT GaAs Amplifier
- Gain control stage : (Vcl)
- Fast Rise time/Fall Time : 100ps
- High output Voltage: 4 Vpp
- High Gain Voltage: 20dB
- Power supply: +11V ; 300mA
- 49,5 X 46,6 X 11,5 mm

### Applications

- RF Pulse amplifier
- RF/Optical interface
- Signal Regeneration
- Test and measurement

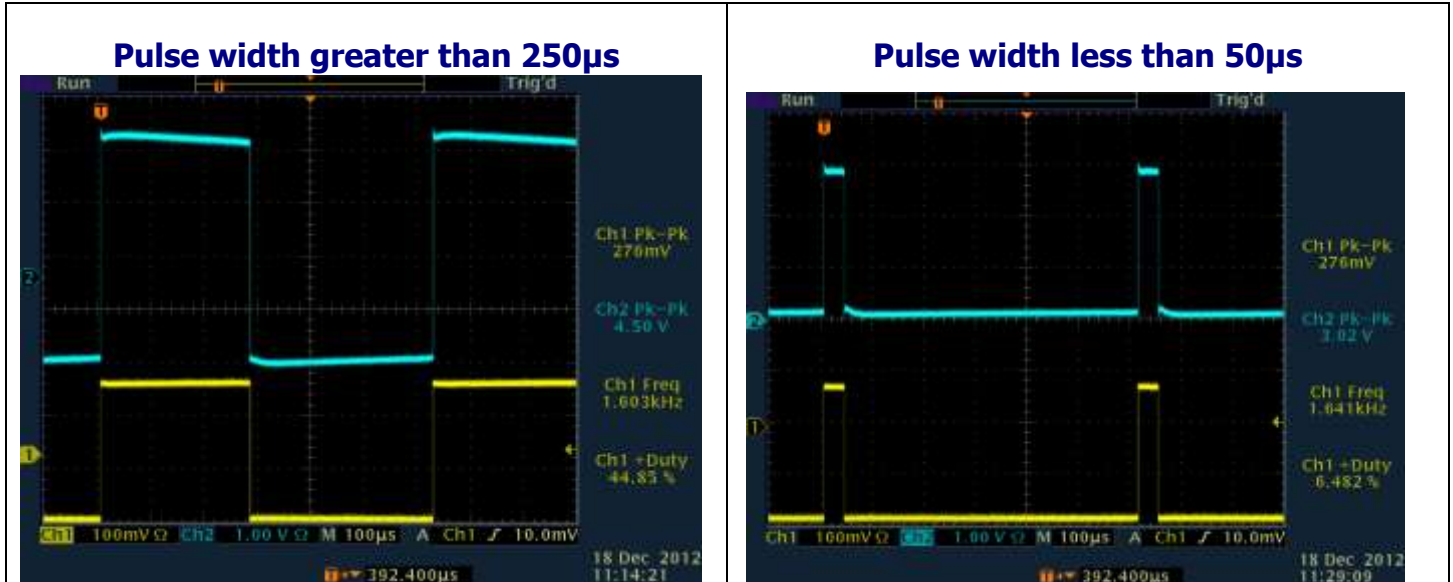
### Ordering information

<b>Product code</b>
VWA 0000367 AA

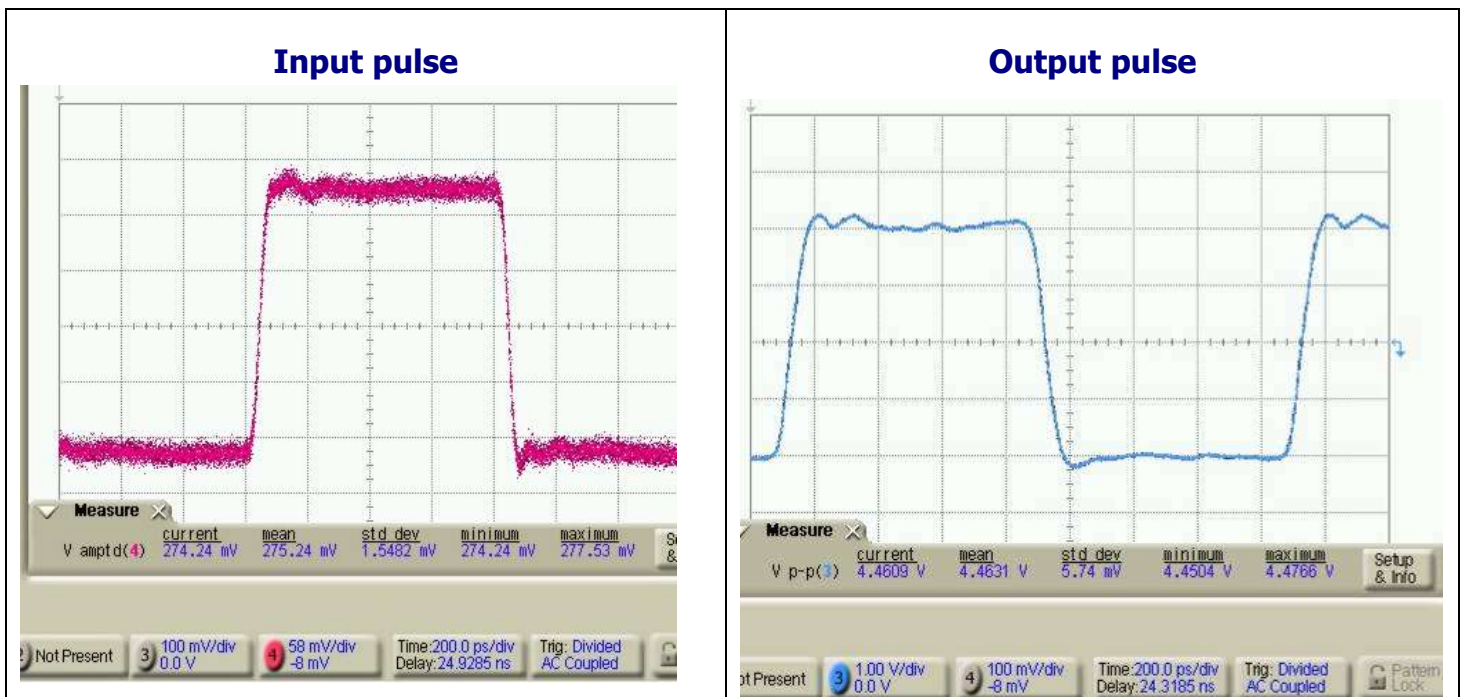
### Typical performances :

Parameters	Units	Specifications @ (25°C)		
		Min.	Typ.	Max.
Input level	mVpp	300	400	
Output Level	Vpp	3,5	4	
In/Out Impedance	Ohm		50	
Variable Gain	dB	23		26
Rise/Fall Time (0/100%)	Ps			100
Undershoot/ Overshoot	%		5	10

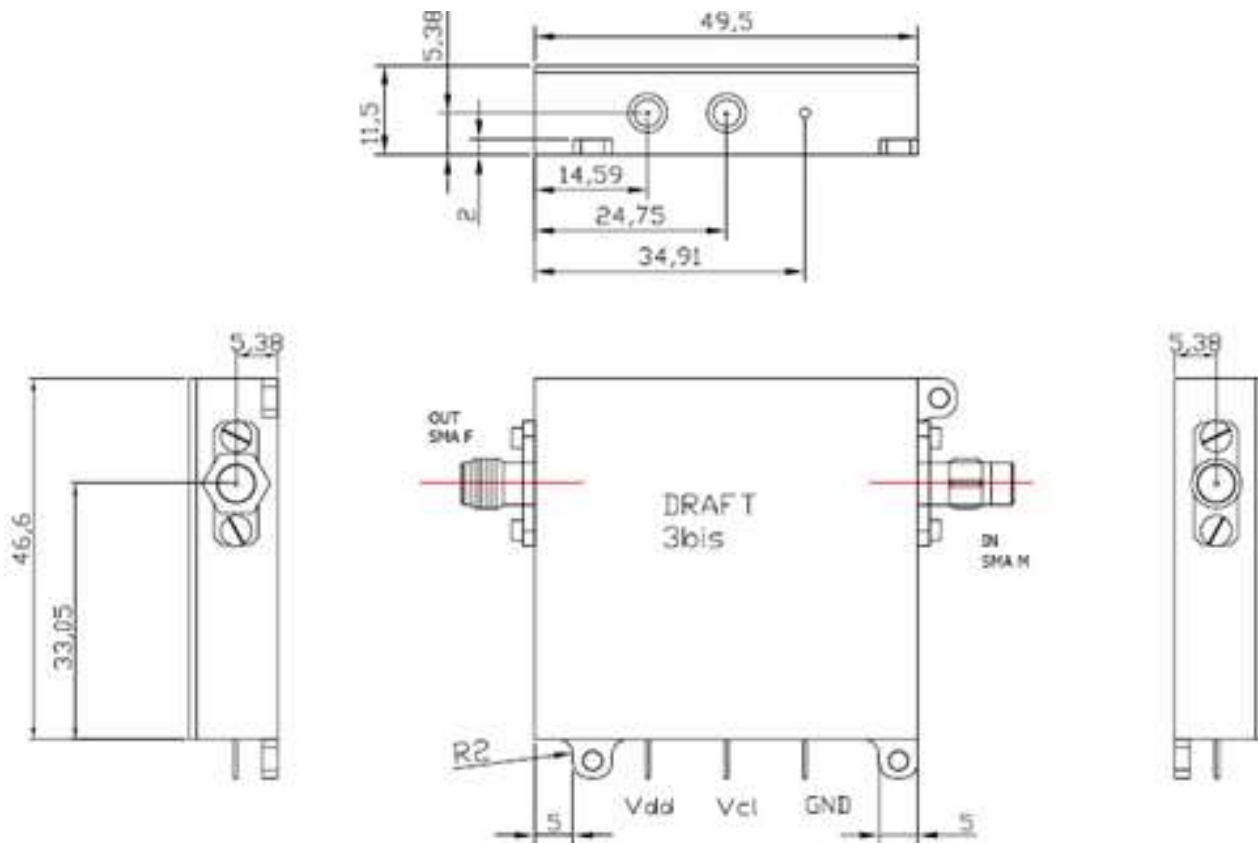
**Low frequency Test: less than 2 KHz**



**High frequency Test: more than 500 KHz**



**Mechanical Housing:**



**Handling:**

This product is sensitive to electrostatic discharge and should not be handled except at a static free workstation. Take precautions to prevent ESD; use wrist straps, grounded work surfaces and recognized anti-static techniques when handling the **VWA-0000367 AA** device.

