

PULSE GENERATOR HEAD GZ1113P

1. Application ^{*)}

1.1. The Pulse Generator Head **GZ1113P** is Plug-in Unit (Unit A) for Pulse Generator Mainframe **GZ1105 (GZ1106)** designed for generation of positive (or negative – by request) high speed electrical pulses with (or without – by request) the external Pulse Generator Head **GZ 2115**.

1.2. Application fields of **GZ1113P** are: optical, microwave, radar and GPR systems.

1.3. The Pulse Generator Head **GZ1113P** can be supplied from Pulse Generator Mainframe **GZ1105 (GZ1106)** or from external DC Power Supply.

2. Specification

Item	Parameter Name	Value
1.	Amplitude, no less	20 V
2.	Polarity	positive
3.	Rise Time:	
	- 0.1-0.9 Levels, no more	50 ps
	- 0.2-0.8 Levels, no more	35 ps
4.	Pulse Width, no less	50 ns
5.	Triggering	from the GZ1105 Mainframe
6.	Maximal Pulse Repetition Frequency	1 MHz
7.	Impedance	50 Ohm
8.	Insertion Jitter of output pulses (RMS), no more	2,5 ps
9.	Type of HF Connectors	SMA
10.	Temperature Range	(5 - 40)°C
11.	Power Supply	from the GZ1105 Mainframe
12.	Consumption current, no more:	
	+15 V source	100 mA
	- 15V source	100 mA
13.	Dimensions	(65x35x150) mm
14.	Weight, no more	0.5 kg

Notes: 1. All parameters of **GZ 1113P** are given with connected **GZ 2115** Head

^{*)} Content of document can be changed without notice and not fully corresponding to current version of instrument!

3. Appearance

3.1. Outline Drawings of **GZ1113P** are shown on Fig. 1.

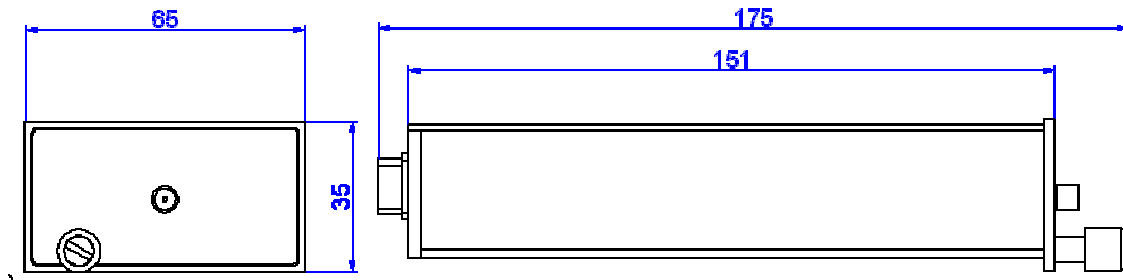


Fig. 1. Outline Drawings of **GZ1113P**

3.2. Front panel of **GZ1113P** is shown on Fig. 2.

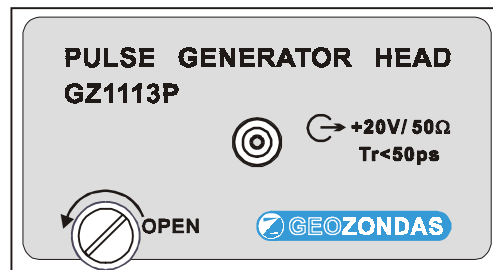


Fig. 2. Front panel of **GZ1113P**

3.3. Appearance of **PULSE GENERATOR HEAD GZ2115** is shown on Fig. 3.



Fig. 3. Appearance of **Pulse Generator Head GZ2115**