

# P11t

Mini Burst Field Generator (B, Trigger)



## Short description

The P11t mini burst generator creates a magnetic disturbance field of approx. 3 mm diameter on its tip. The field and its signals from devices under test or external signal generators can be synchronized via the TTL trigger input. Sensitive parts of conducting paths, components and component connectors can be localized with P11t.

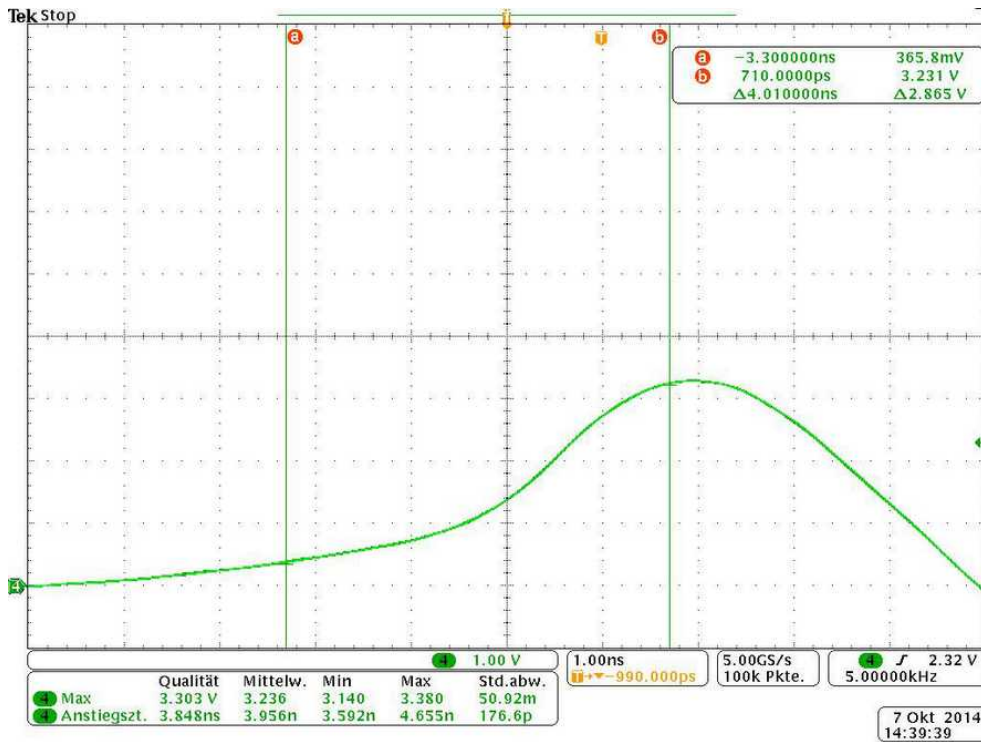
Triggering the disturbance field allows the P11t to precisely analyze the noise immunity of complex electronic circuits during certain operating conditions. Conventional generators and test stations can be used to determine whether a device complies with the standard noise immunity required by law. However, weak spots on an assembly can not be precisely located. Detailed information about their location, susceptibility, and type of action (E or B field susceptibility) are required to easily and efficiently locate them on the printed circuit board and eliminate them. Mini burst field generators are handy and can be used at the electronic developer's workspace.

## Technical parameters

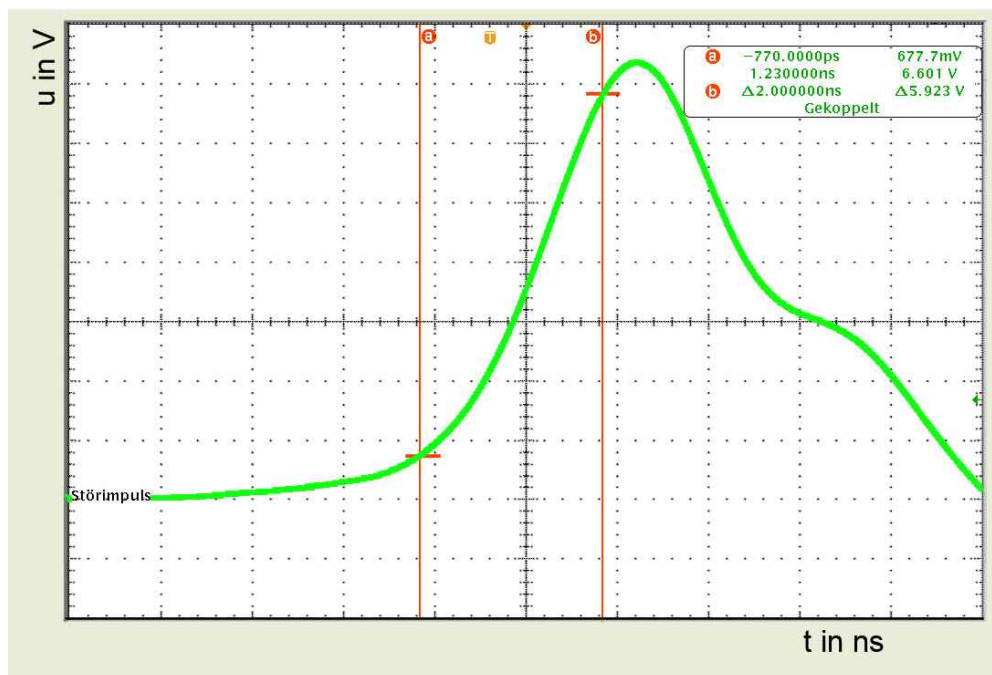
<b>Generator voltage</b>	400 V
<b>External trigger input</b>	SMB, male, jack; 5 V TTL
<b>Generated magnetic flux density</b>	ca. 1 mT
<b>Pulse parameter</b>	
Pulse width	2 ns ... 8 ns
Frequency	single ... 10 kHz
Polarity	switchable
<b>Trigger-pulse delay</b>	3 $\mu$ s
<b>Supply voltage</b>	6.5 V ... 15 V
<b>Current input</b>	50 mA @ 6.5 V
<b>Weight</b>	20 g
<b>Sizes (L x W x H)</b>	(125 x 24 x 20) mm



Pulse shape (minimum intensity)



Pulse shape (measured)



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Design of P11t mini burst field generator

