

P12t

迷你型磁场脉冲发生器 (B)



Short description

P12t迷你型爆冲场发生器能够按照耦合钳的原理发射出干扰磁场，由此将干扰电流耦合进入单个导线、集成电路引脚，SMD元件和扁的电缆（扁形电缆）。通过TTL触发器输入端，可以实现P12t的干扰磁场与受试设备或者外部信号发生器产生的信号同步。

The P12t mini burst generator allows the noise immunity analysis of complex electronic circuits during certain operating conditions.

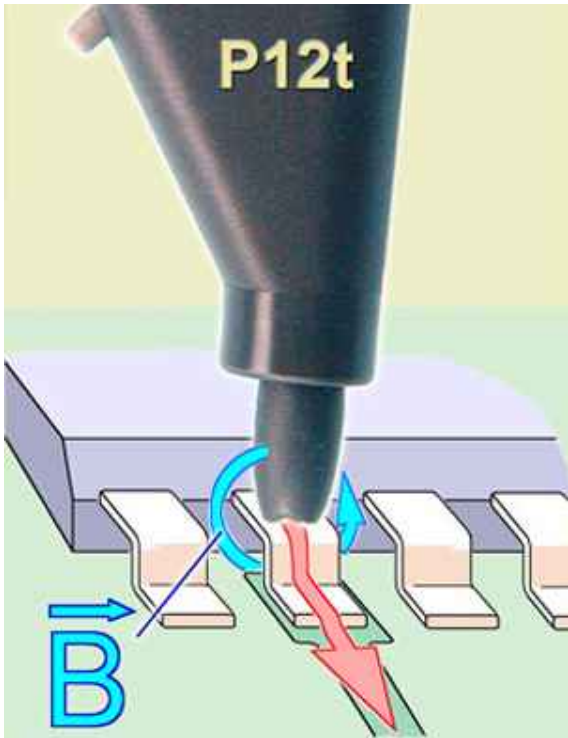
Conventional generators and test stations can be used to determine whether a device complies with the standard noise immunity required by law. However, weak spots on an assembly can not be precisely located. Detailed information about their location, susceptibility, and type of action (E or B field susceptibility)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

Technical parameters

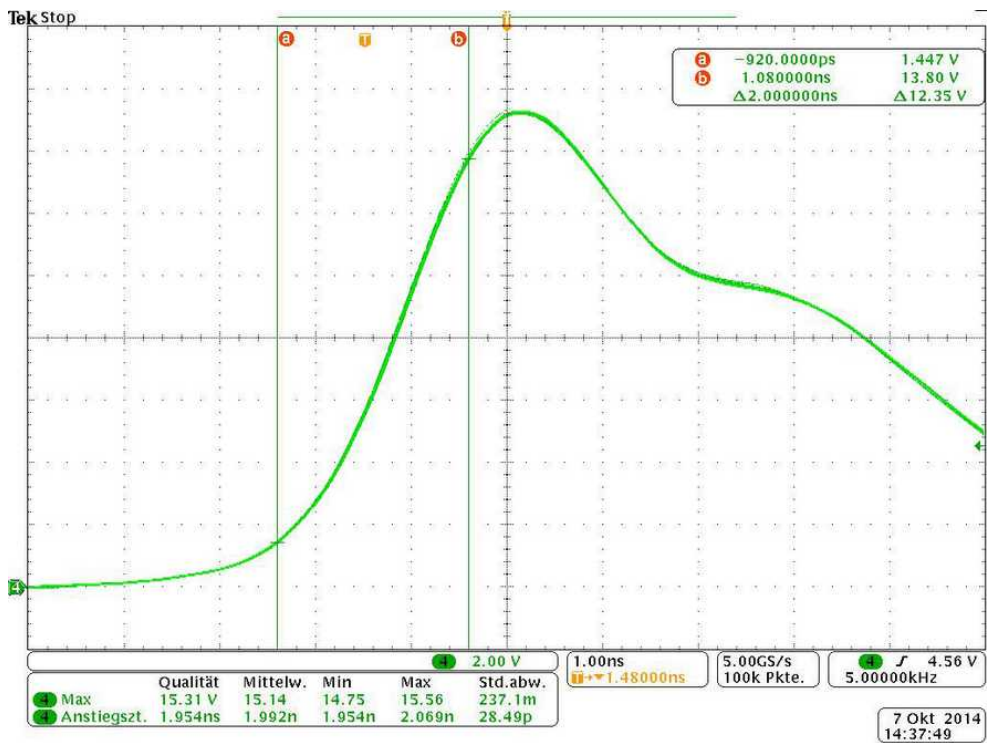
发生器电压	400 V
外部触发信号输入端口	SMB, male, jack; 5 V TTL
生成的磁场磁感应强度	ca. 1 mT
脉冲参数	
脉冲宽度	2 ns ... 8 ns
频率	single ... 10 kHz
极性	switchable
触发器脉冲延迟	3 μ s
电源电压	6.5 V - 15 V
电流输入	50 mA @ 6.5 V
重量	20 g
尺寸 (L x W x H)	(125 x 24 x 20) mm

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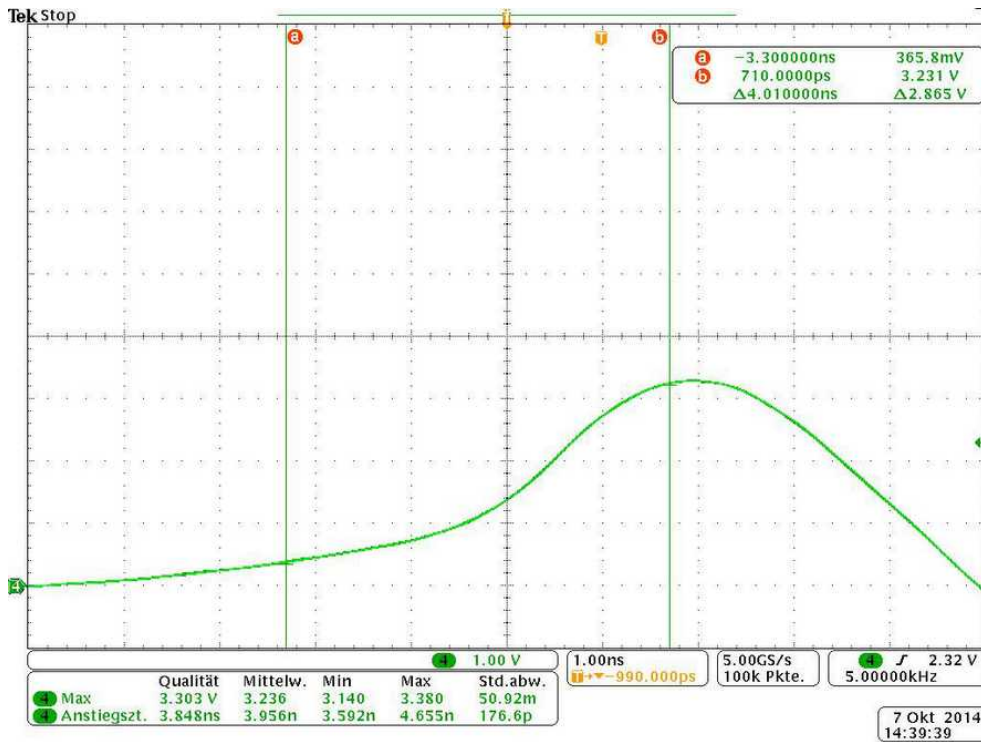
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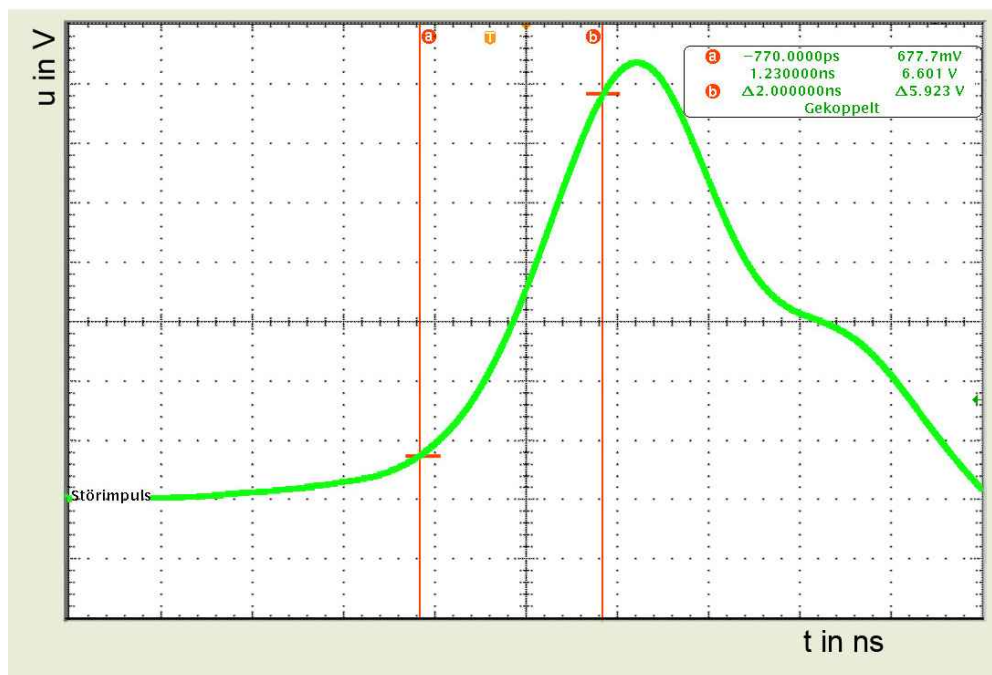
脉冲形状 (maximum intensity)



脉冲形状 (minimum intensity)



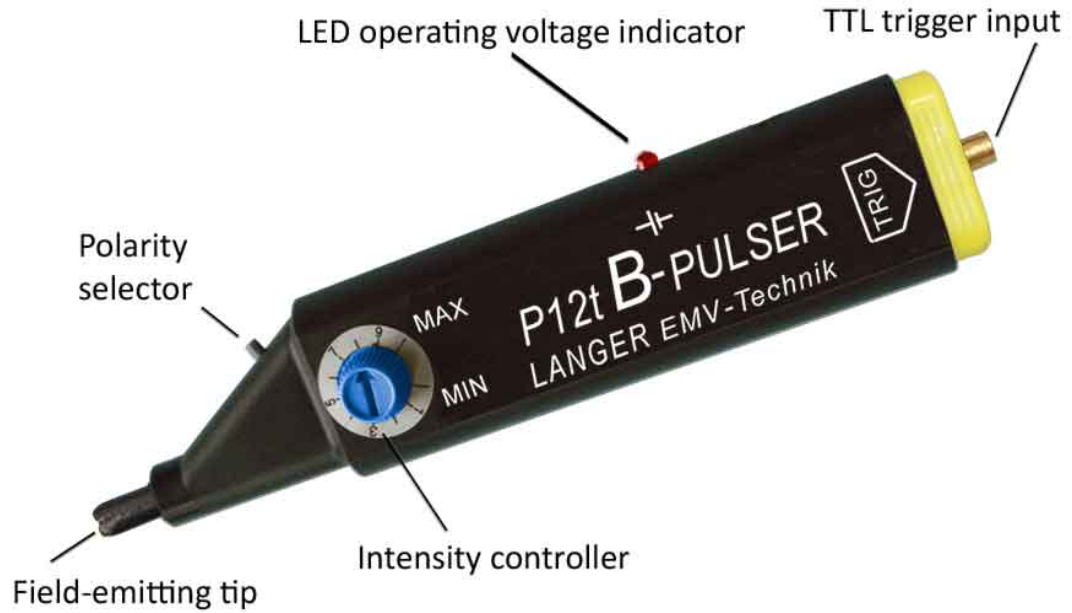
脉冲形状 (实测)



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Design of P12t mini burst field generator



Application - input of a rotary encoder is being tested here

