

P11t

迷你型磁场脉冲发生器 (B)



Short description

P11t迷你型脉冲场发生器的尖端产生一个直径约3mm的干扰磁场。通过TTL触发器输入端，可以实现P11t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。P11t可以用于定位敏感的导线段、元器件和元件接点。

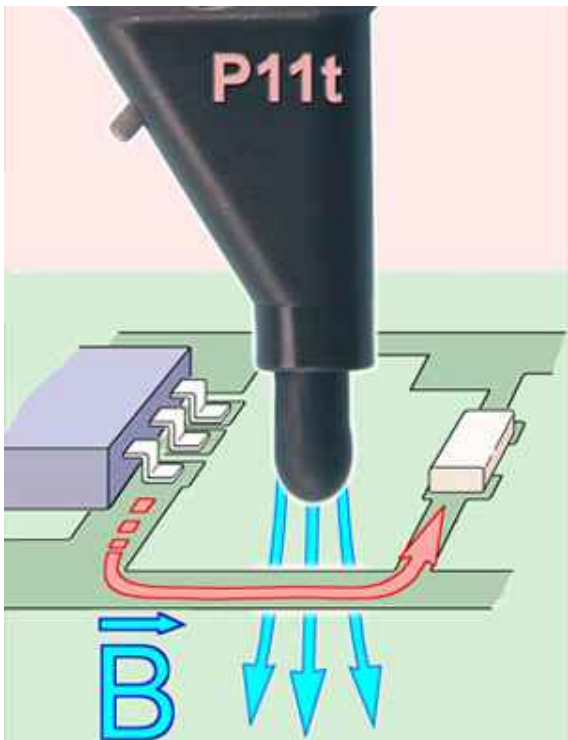
Triggering the disturbance field allows the P11t to precisely analyze the noise immunity of complex electronic circuits during certain operating conditions. Conventional generators and test stations can be used to determine whether a device complies with the standard noise immunity required by law. However, 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

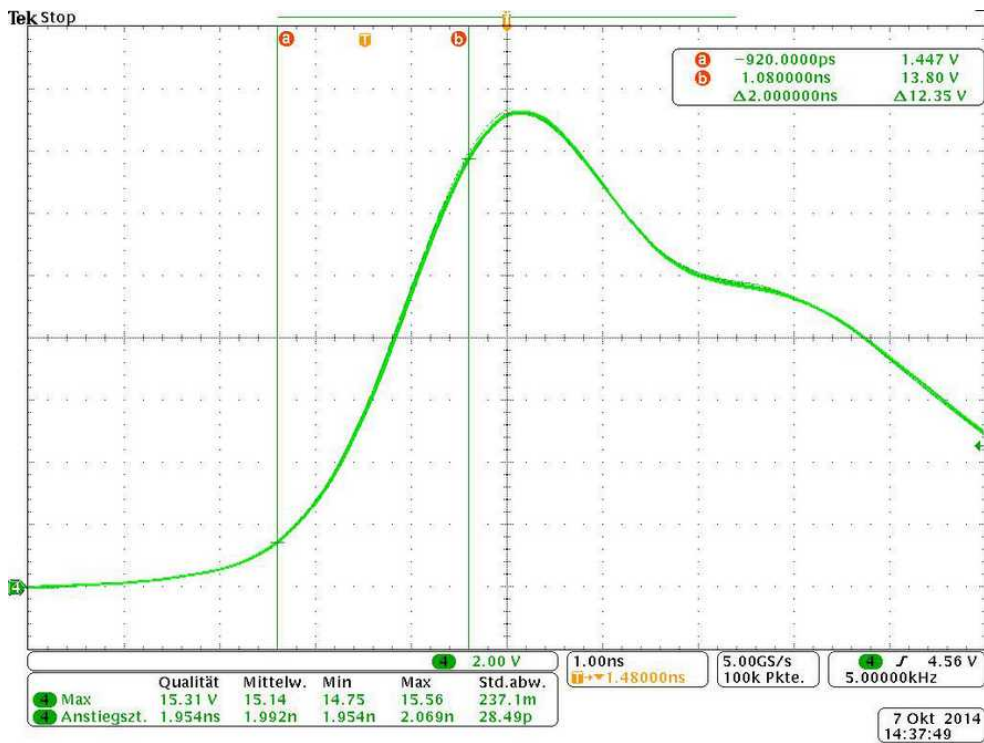
发生器电压	400 V
外部触发信号输入端口	SMB, male, jack; 5 V TTL
生成的磁场磁感应强度	ca. 1 mT
脉冲参数	
脉冲宽度	2 ns ... 8 ns
频率	single ... 10 kHz
极性	switchable
触发器脉冲延迟	3 μ s
电源电压	6.5 V ... 15 V
电流输入	50 mA @ 6.5 V
重量	20 g
尺寸 (L x W x H)	(125 x 24 x 20) mm

P11t

迷你型磁场脉冲发生器 (B)



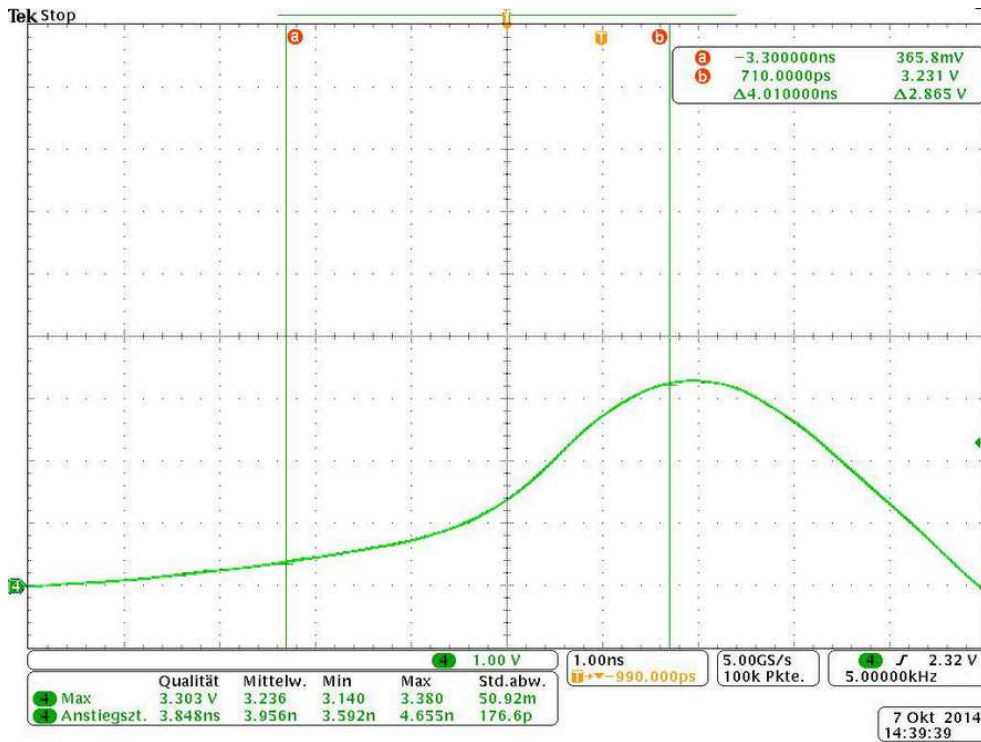
脉冲形状 (maximum intensity)



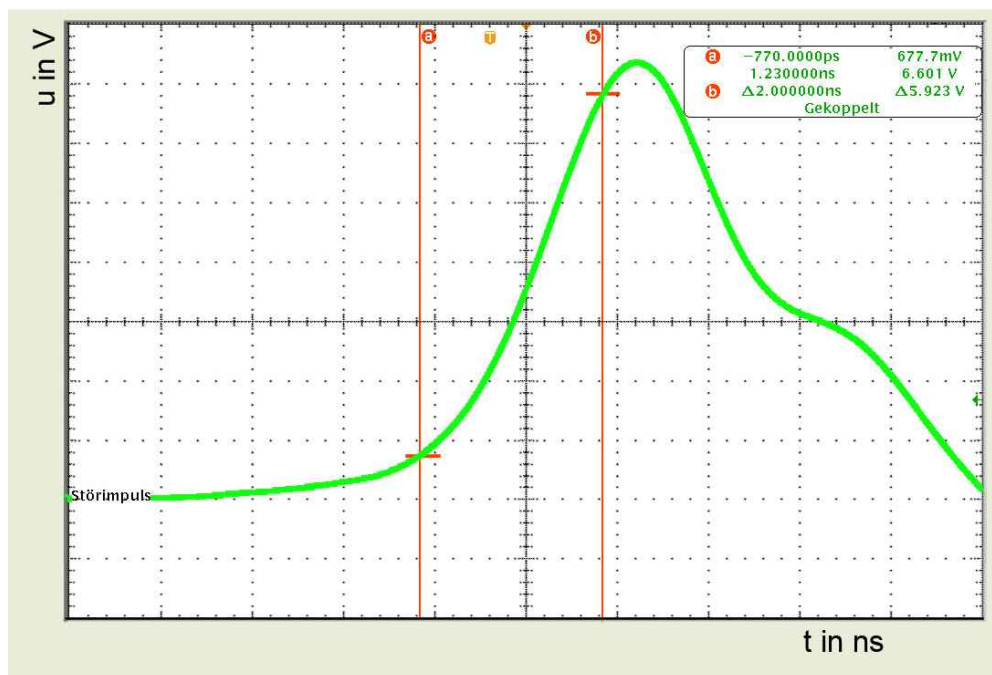
P11t

迷你型磁场脉冲发生器 (B)

脉冲形状 (minimum intensity)



脉冲形状 (实测)



P11t

迷你型磁场脉冲发生器 (B)

Design of P11t mini burst field generator

