P1202-4
EFT/猝发磁场源

Short description

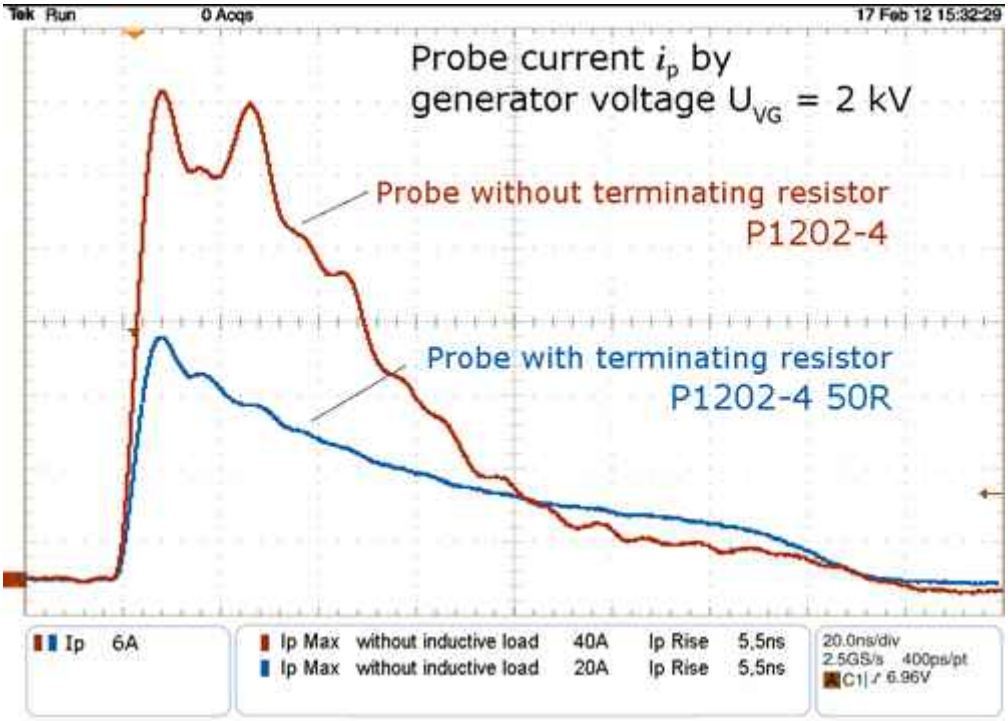
EFT/猝发磁场源用于测定集成电路对磁EFT-脉冲场耦合的抗干扰性。它可以360°旋转，并且能够识别集成电路中的敏感回路以及通过集成电路引脚导出的导体回路。它工作在短接状态，并且内部没有终端。

The P1202-4 field source is powered by an EFT/Burst generator (IEC 61000-4-4). It does not synchronize with the EFT/Burst generator. Therefore, reflection processes result in the current flow. Such reflection processes occur during practical device testings according to the standard ICE 61000-4-4 and are reproduced by P1202-4. In the field source conductor without a terminating resistor, the flowing current is twice that of the field source with a terminating resistor (P1202-4 50R).
The P1202-4 field source is arranged at a defined distance above the IC with the help of a spacer ring.
It has two connections. A Fischer socket (D103A023) for the connection to an EFT/Burst generator and a SMB measurement output for the connection of an oscilloscope for monitoring the EFT current. Delivery includes the HV FI-FI 1m RF cable (Fischer connector-Fischer connector). On request, the RF cable with the connection Fischer socket-SHV socket (HV FI-SHV 1m) can be ordered.

Technical parameters

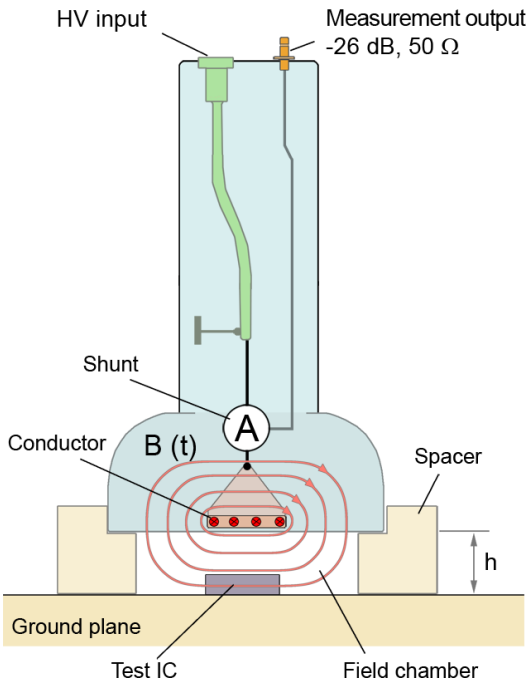
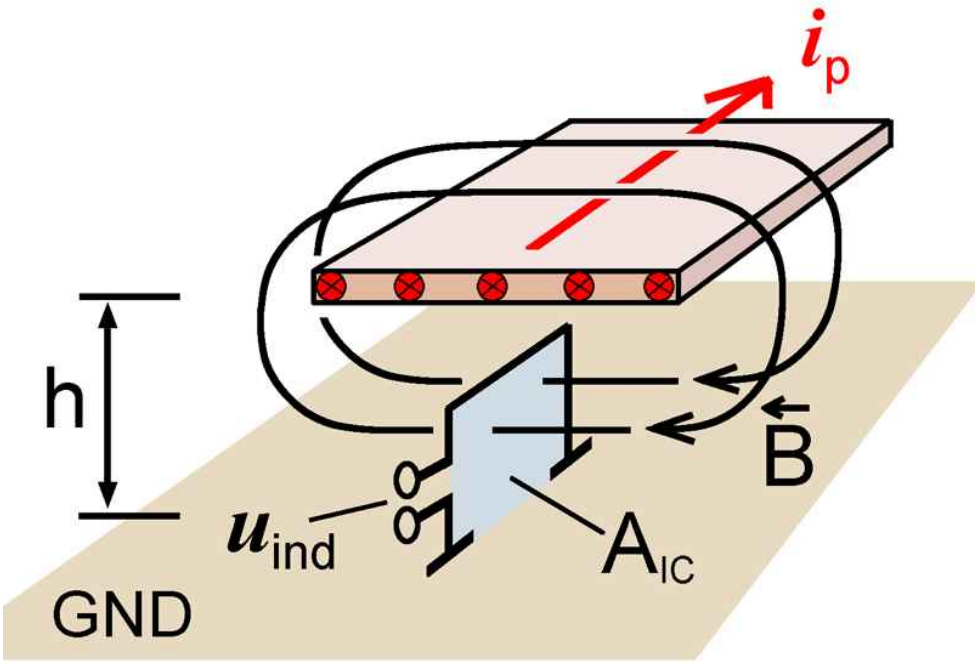
输入电阻	0.1 Ω
脉冲参数	
形状	5 / 50 ns
电压	max ±8 kV
电流表	
测量输出	50 Ω, SMB
分流器	0.1 Ω
电流修正系数 R	-26 dBΩ
输入接口	50 Ω Fischer (D103A023)
尺寸 (L x W x H)	(180 x 96 x 96) mm

脉冲形状（实测）



安装视图 01

P1202-4 EFT/burst H-field source



安装视图 02