

P1302-4

EFT/Burst E-Field Source



Short description

The P1302-4 EFT/Burst E field source is used to determine IC immunity against the coupling of electric EFT field pulses. It does not have an internal terminating resistor and operates in open circuit condition.

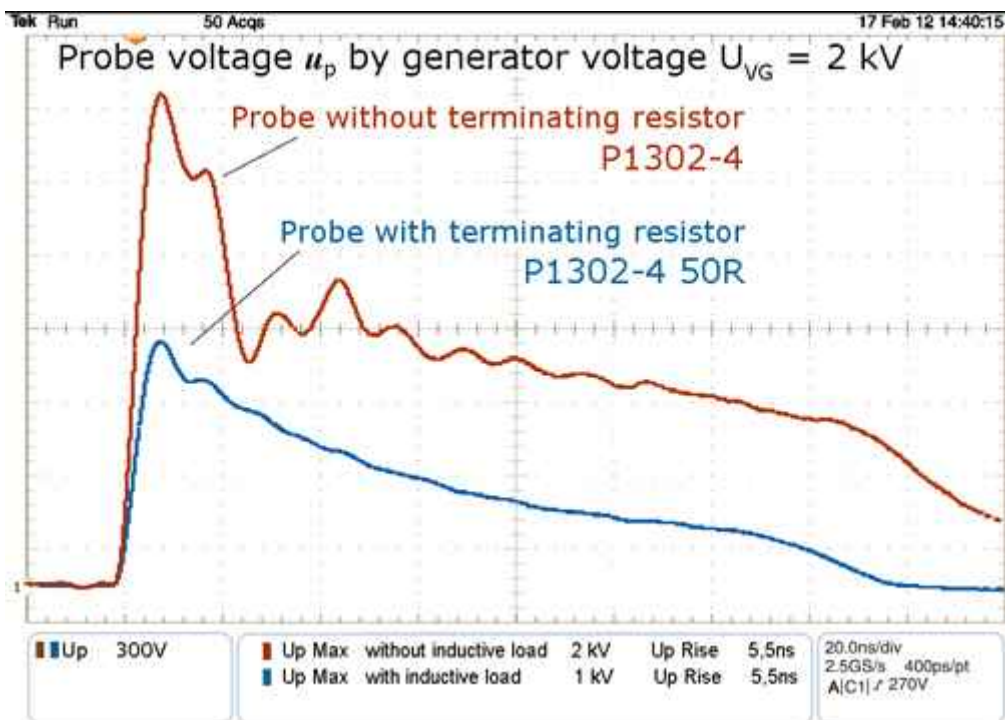
The P1302-4 field source is powered by an EFT/Burst generator (IEC 61000-4-4). It does not synchronize with the EFT/Burst generator. Therefore, reflection processes result in the voltage curve. Such reflection processes occur during practical device testings according to the standard IEC 61000-4-4 and are reproduced by P1302-4. At the field source electrode without an internal terminating resistor, the voltage is twice that of the field source with an internal terminating resistor (P1302-4 50R).

The P1302-4 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 voltage. Delivery includes the HV FI-FI 1m RF cable (Fischer connector-Fischer connector). On request, the RF cable with the connections Fischer socket-SHV socket (HV FI-SHV 1m) can be ordered.

Technical parameters

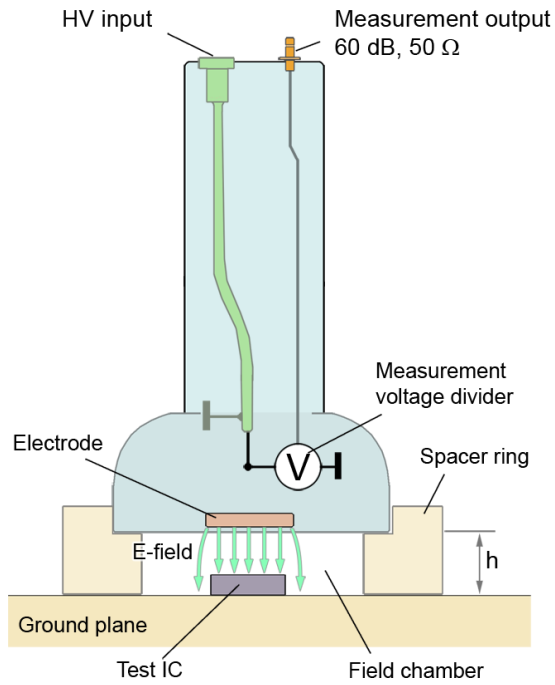
Pulse parameter	
Shape	5 / 50 ns
Voltage	max ±8 kV
Voltage probe	
Correction factor	60 dB
Measurement output	50 Ω, SMB
Connector - input	50 Ω Fischer (D103A023)
Sizes (L x W x H)	(180 x 96 x 96) mm

Pulse shape (measured)



Design, view 1

P1302-4 EFT/burst E-field source



Design, view 2

