

P1202-4 50R

EFT/Burst Magnetic Field Source



Short description

The EFT/Burst magnetic field source is used to determine the IC immunity against the coupling of magnetic EFT pulse fields. It is continuously rotatable through 360° and allows the detection of sensitive conductor loops within the IC and detection of conductor loops that lead out of the IC via the pins. It has a 50 Ohm internal terminating resistor.

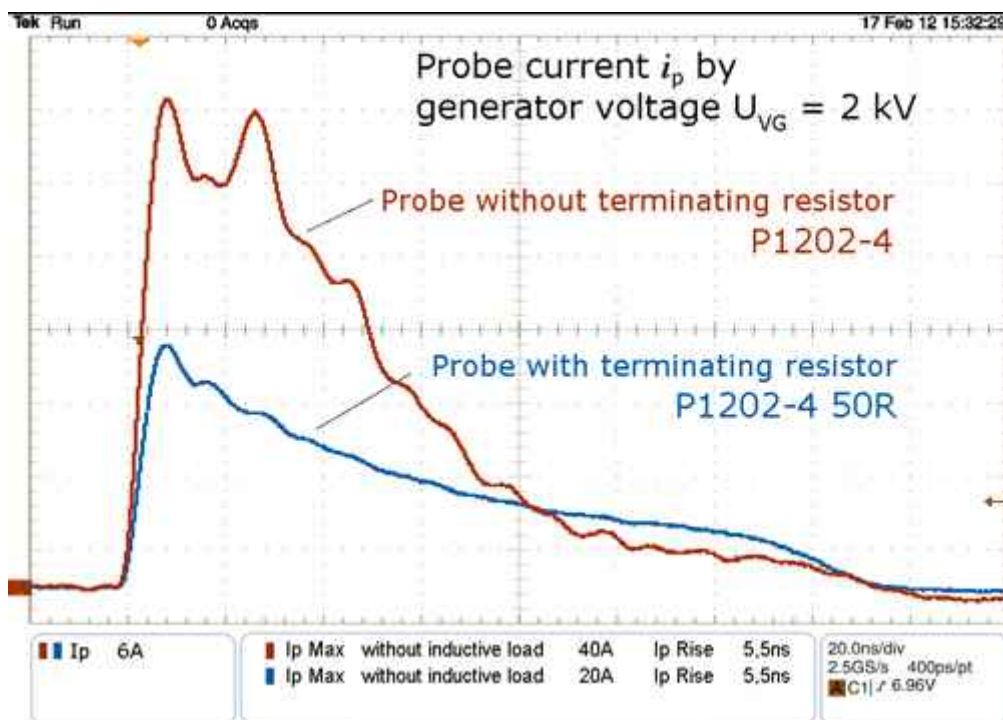
The P1202-4 50R field source is powered by an EFT/Burst generator (IEC 61000-4-4). With its terminating resistance it synchronizes with the EFT/Burst generator. Therefore, an ideal EFT/Burst current pulse is generated. In the conductor of the field source without an internal terminating resistor, the current is twice that of the field source with an internal terminating resistor (P1202-4).

The P1202-4 50R field source is arranged in 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 the 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

Input resistance	50 Ω
Pulse parameter	
Shape	5 / 50 ns
Voltage	max ± 8 kV
Ammeter /current probe	
Measurement output	50 Ω , SMB
Shunt	0.1 Ω
Current correction factor R	-26 dB Ω
Connector - input	50 Ω Fischer (D103A023)
Sizes (L x W x H)	(180 x 96 x 96) mm

Pulse shape (measured)

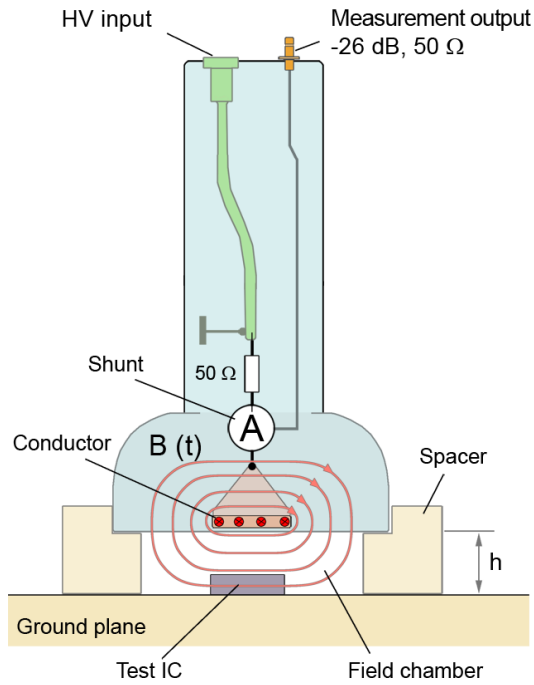


P1202-4 50R

EFT/Burst Magnetic Field Source

Design, view 1

P1202-4 50R EFT/burst H-field source



Design, view 2

