

ICI HH500-15 L-EFT

Pulse Magnetic Field Source



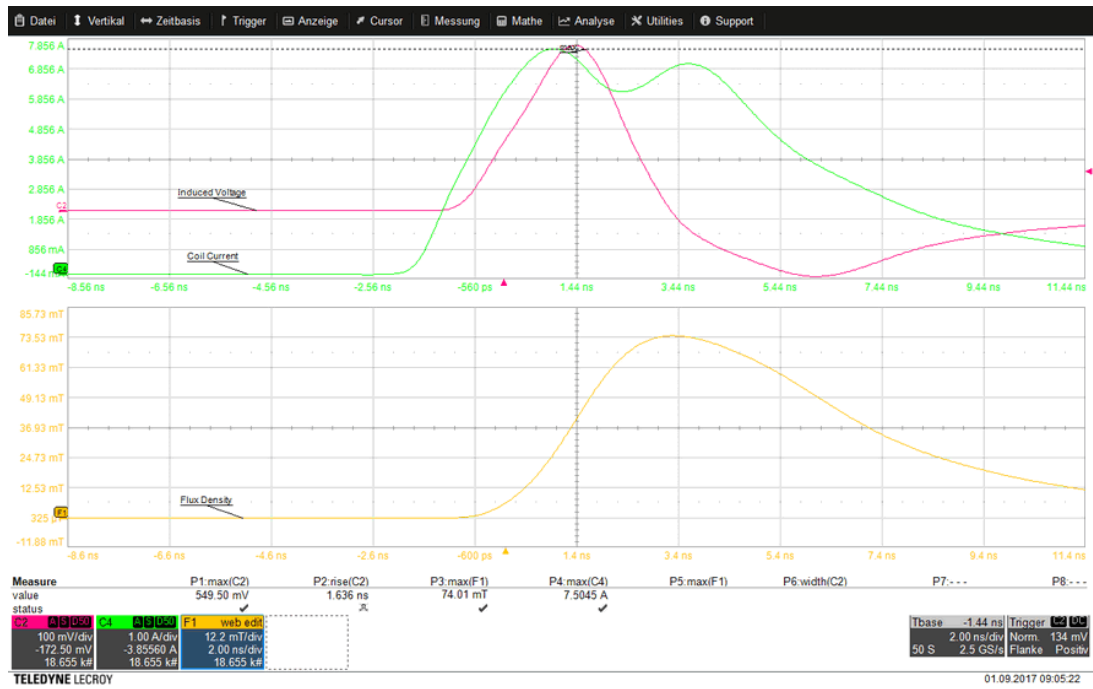
Short description

The ICI HH500-15 L-EFT pulse magnetic field source couples fast transient pulses into a test IC (open die). This allows for electromagnetic fault injection (EMFI) attacks or testing the immunity of individual areas of the IC.

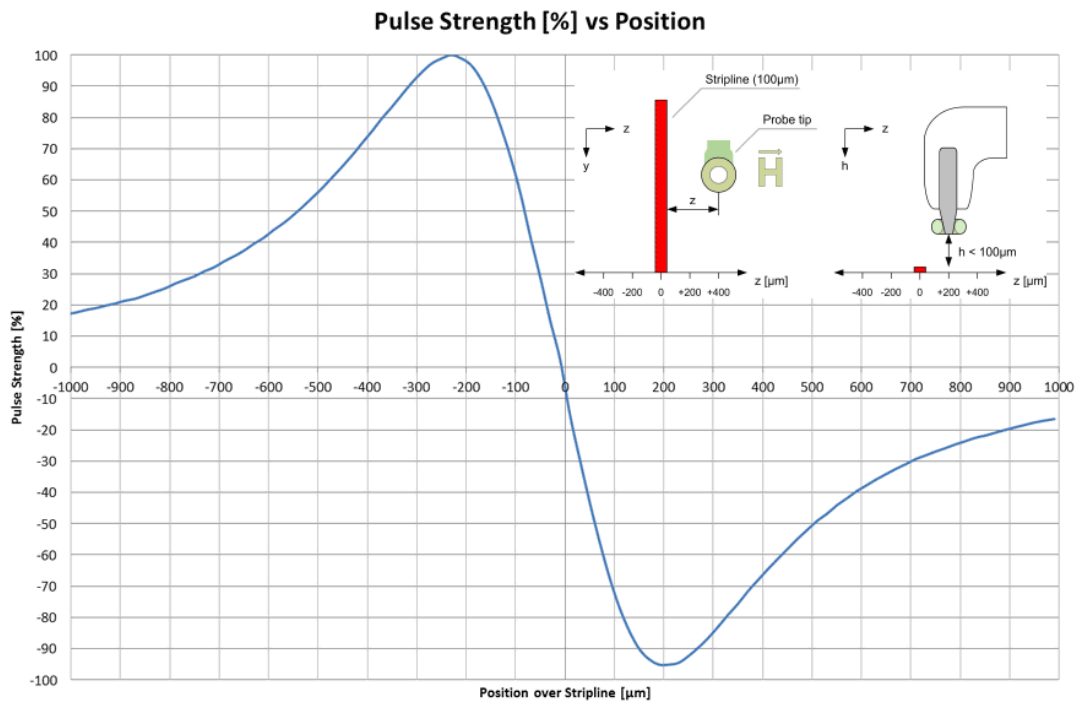
Technical parameters

Probe head dimensions	Ø 500 µm
magnetic flux density (typ.)	50 mT
Pulse parameter	
Rise time	< 2 ns
Repetition frequency	0.1 Hz - 20 kHz
Polarity (set by software)	+ / - / alternating
Measuring output	50 Ω
Trigger-pulse delay (Bypass Mode - Delay Line)	
min. Trigger-pulse delay (typ.)	70 ns
max. Trigger-pulse delay (typ.)	420 ns
max. Jitter (typ.)	± 1 ns
Supply voltage	BPS 202
Weight	70 g
Sizes (L x W x H)	(26 x 43 x 53) mm

Pulse shape



Transverse scan



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Application of ICI HH500-15 L-EFT pulse magnetic field source

