ICI E450 L-EFT

Pulse E-Field Source

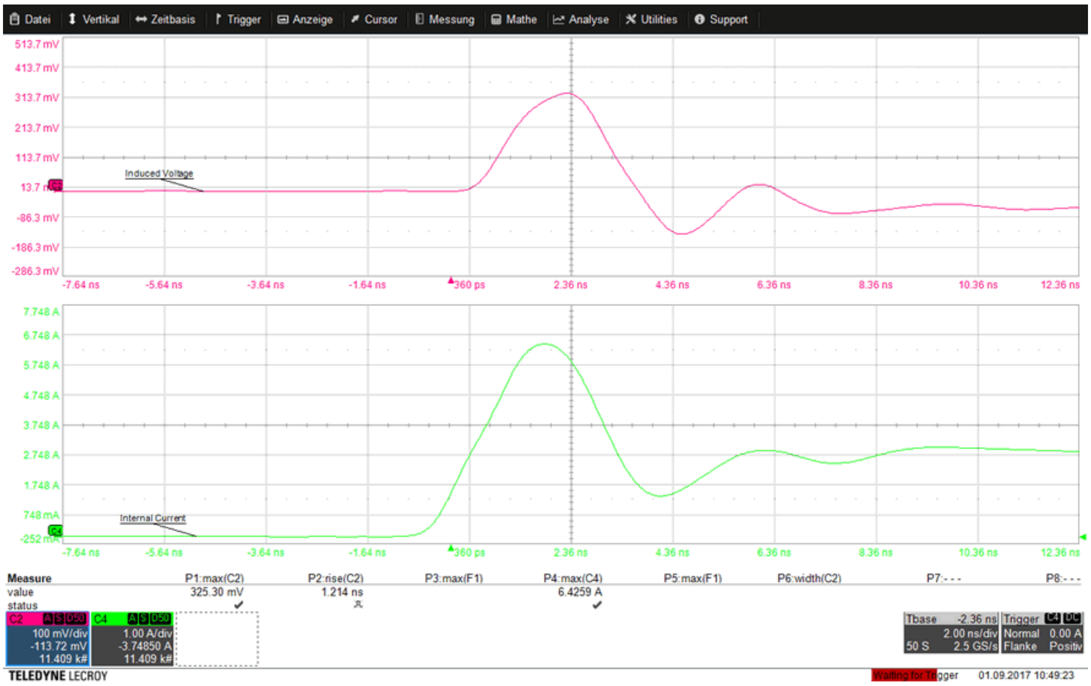
Short description

The ICI E450 L-EFT pulse electric field source couples fast transient pulses into a test IC (open die). This allows for side channel analysis or testing the immunity of individual areas of the IC.

Technical parameters

探头尺寸	Ø 450 µm
Max. Displacement Current (Stripline 100 µm)	7 mA
脉冲参数	
上升时间	< 2 ns
重复频率	0.1 Hz - 20 kHz
极性 (set by software)	+ / - / alternating
测量输出	50 Ω
触发器脉冲延迟 (Bypass Modus - Delay Line)	
min. 触发器脉冲延迟 (typ.)	70 ns
max. 触发器脉冲延迟 (typ.)	420 ns
max. Jitter (typ.)	± 1 ns
电源电压	BPS 202
重量	70 g
尺寸 (L x W x H)	(26 x 43 x 53) mm

脉冲形状



Measure	P1:max(C2)	P2:rise(C2)	P3:max(F1)	P4:max(C4)	P5:max(F1)	P6:width(C2)	P7:- - -	P8:- - -
value	325.30 mV	1.214 ns		6.4259 A				
status	✓			✓				

C2: 100 mV/div, -113.72 mV, 11.409 k#
C4: 1.00 A/div, -3.74850 A, 11.409 k#
Tbase -2.36 ns, 2.00 ns/div, 50 S, 2.5 GS/s
Trigger C4 DC: Normal 0.00 A, Flanke Positiv
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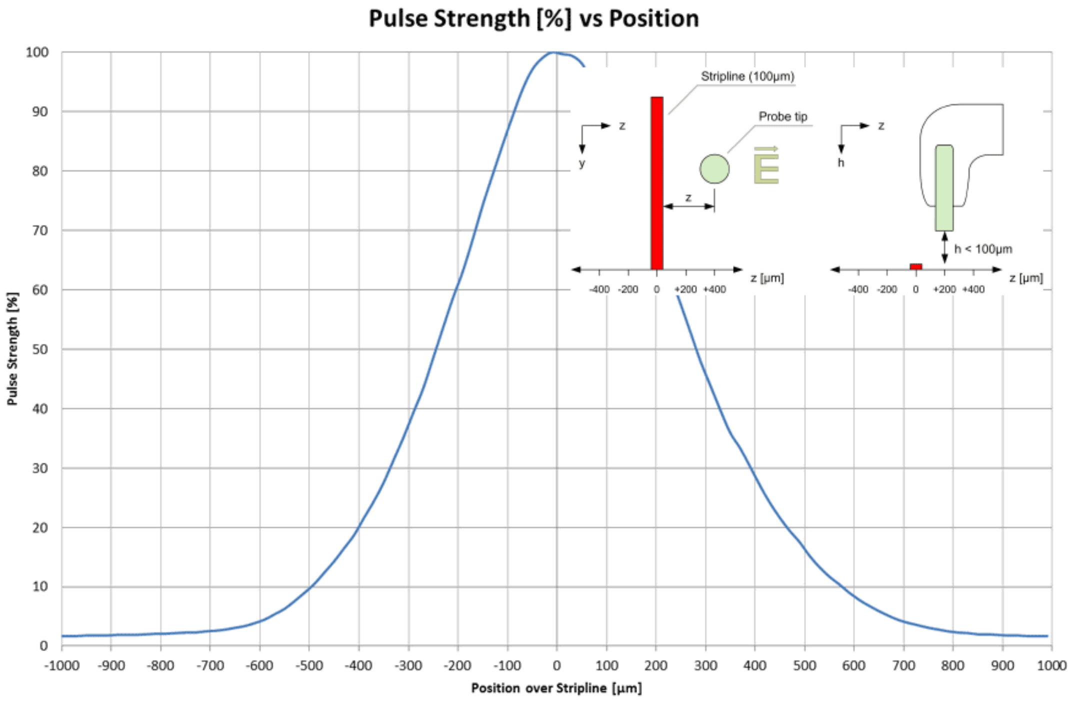
横向扫描



Application of ICI E450 L-EFT pulse E-field source