

# ICI I900 L-EFT

Pulse Current Source (FBBI)



## Short description

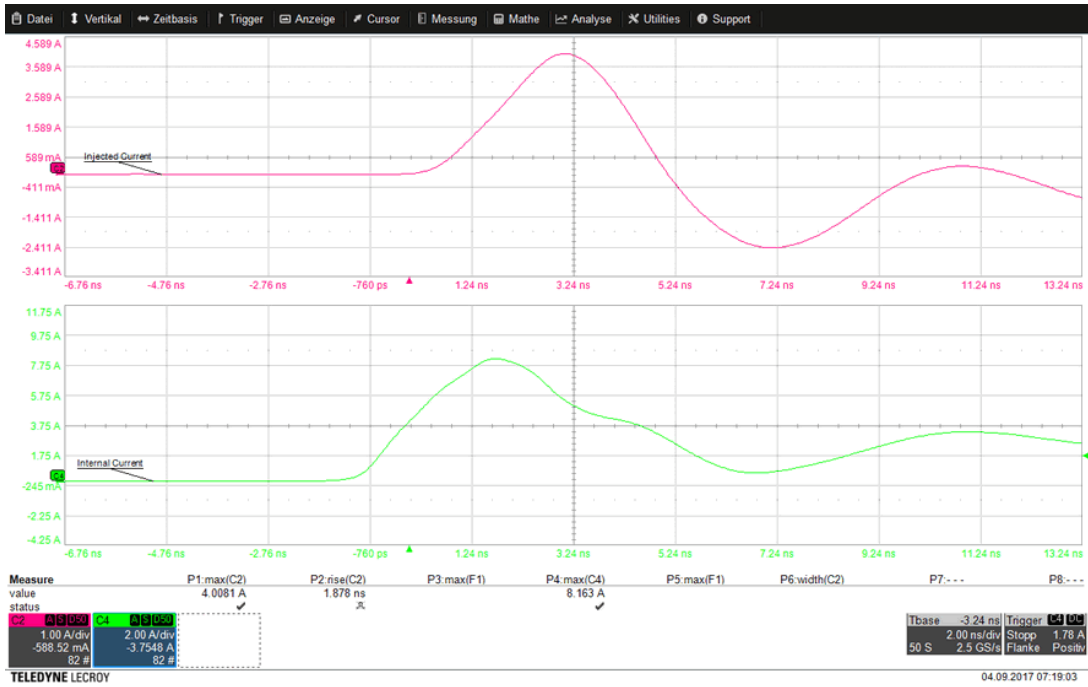
The ICI I900 L-EFT pulse current source couples fast transient pulses into a test IC (Forward body biased injection). This source allows for side channel analysis or testing the immunity of individual areas of the IC.

typ. - Refer to parameter sheet

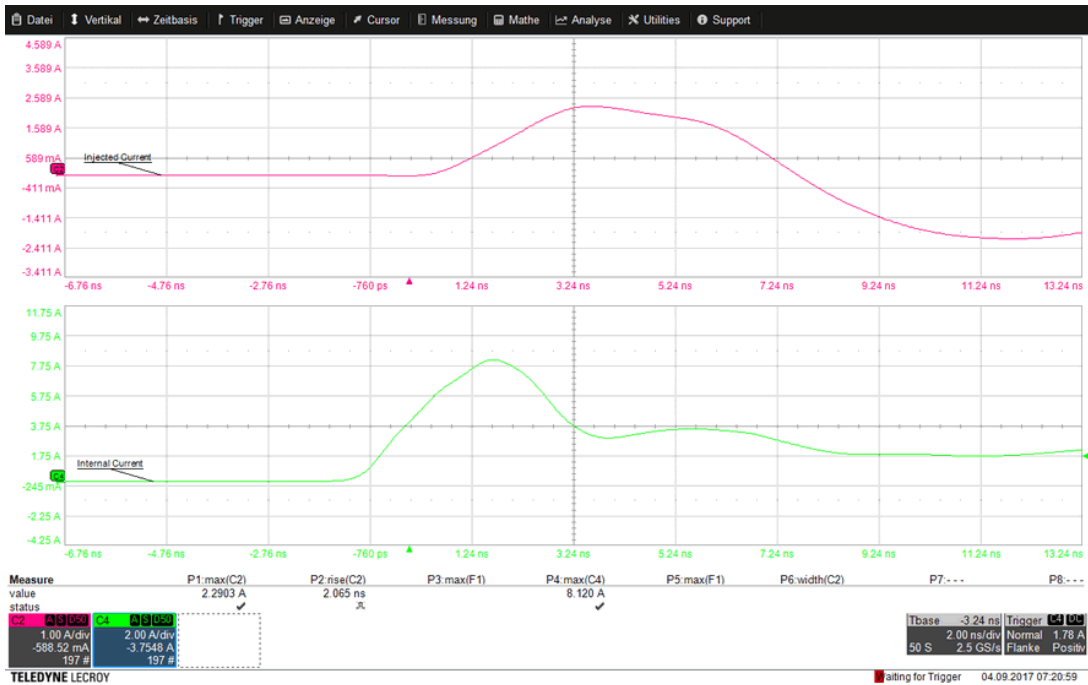
## Technical parameters

|   |                     |
|---|---------------------|
| <b>Probe head</b>                                     | Spring Pin          |
| <b>Max. current (1 <math>\Omega</math> load)</b>      | 4 A                 |
| <b>Pulse parameter</b>                                |                     |
| Rise time   | < 2 ns              |
| Repetition frequency                                  | 0.1 Hz - 20 kHz     |
| Polarity (set by software)                            | + / - / alternating |
| <b>Measuring output</b>                               | 50 $\Omega$         |
| <b>Trigger-pulse delay (Bypass Mode - Delay Line)</b> |                     |
| min. Trigger-pulse delay (typ.)                       | 70 ns               |
| max. Trigger-pulse delay (typ.)                       | 420 ns              |
| max. Jitter (typ.)                                    | $\pm$ 1 ns          |
| <b>Supply voltage</b>                                 | BPS 202             |
| <b>Weight</b>   | 70 g                |
| <b>Sizes (L x W x H)</b>                              | (26 x 43 x 53) mm   |

Pulse shape (maximum intensity)



Pulse shape (minimum intensity)



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## Application of ICI I900 L-EFT Pulse Current Source

