

MOSFET Timings

Measured at Buck-stage

Switching Frequency=39kHz , DutyCycle=50%

Gate Resistor = 5.6 Ohm

Rise Time

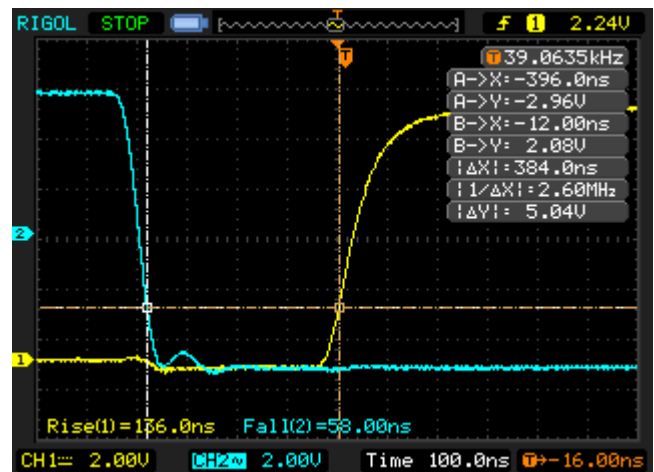
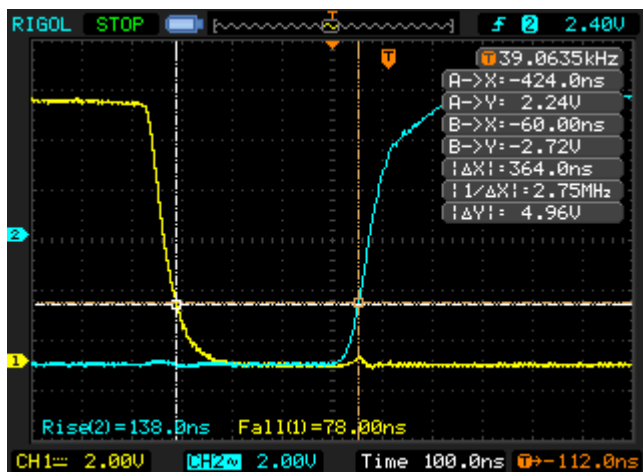
- Datasheet: Typ. 10ns , Max. 20ns
- Highside: 136ns
- Lowside: 138ns

Fall Time

- Datasheet: Typ. 12ns , Max. 24ns
- Highside: 58ns
- Lowside: 54ns

Deadtime

- Datasheet: Min. 280ns , Typ. 400ns , Max. 520ns
- Lowside off -> high side on: ca. 384ns
- Highside off -> Low side on: ca. 364ns



CH1 - Yellow - Highside

CH2 - Blue - Lowside