Circuit diagram of output Block diagram of IGBT half-bridge converter. filter. $2 \, \mathrm{mH}$ Red Red 1000 uF 1 uF⊸ OUT electrolytic T polyester ' **Connector 1** Isolation 12V GND Top Bot Error Reset Red Drive Black Black Signal [IGBT Driver Controller • Dead Time Connector 4 Over-Current Output voltage vs. measured current for Blue Protection LEM LTS 25-NP current sensor. • Optical/Electrical Reset Selection **Connector 2** Green Error **IGBT** Current 3.7 Driver Sensor Drive 2.5 Signal Header 4 -16 **Connector 3** I_{measured} [A] Black