

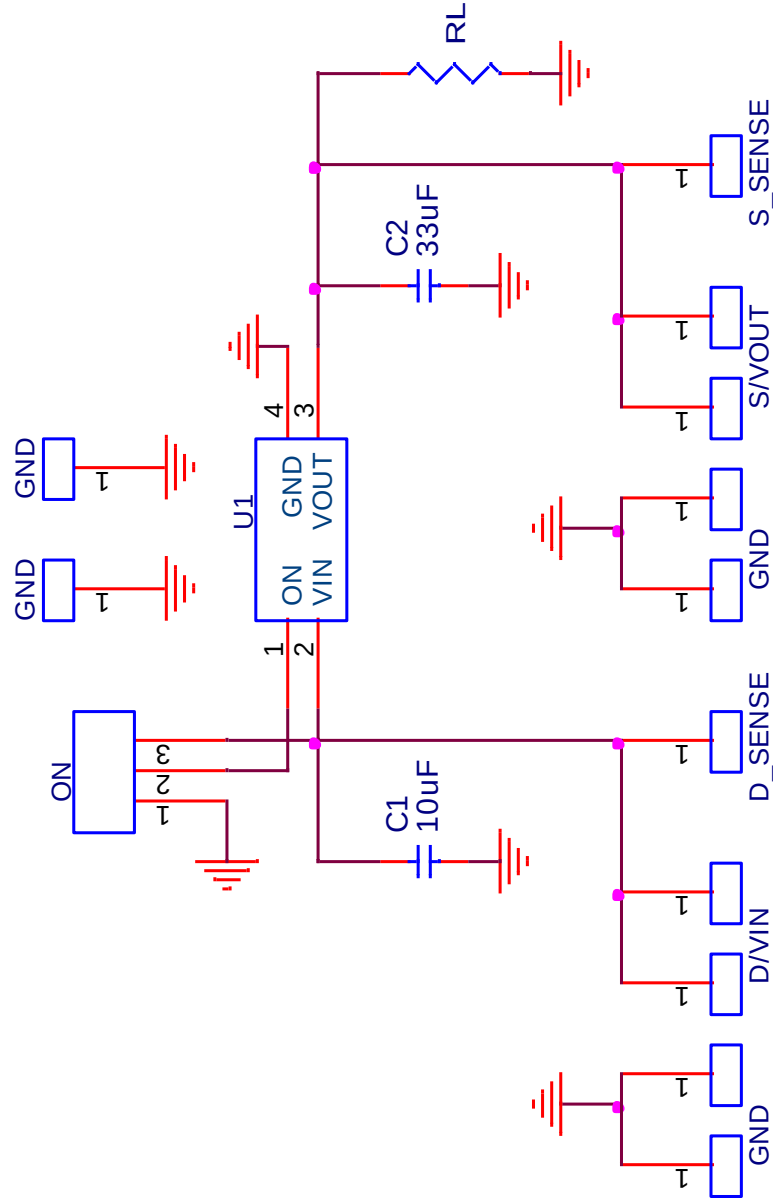


Figure 4. SLG59M1730C Connection Circuit



Content

1. Description
2. Power and Ground Planes
3. Basic Test Setup and Connections

Description

The SLG59M1730C is a 29 mΩ, ~ 1 A single-channel load switch that is able to switch 2.5 V to 5.5 V power rails. The product is packaged in an ultra-small 0.8 x 0.8 mm package.

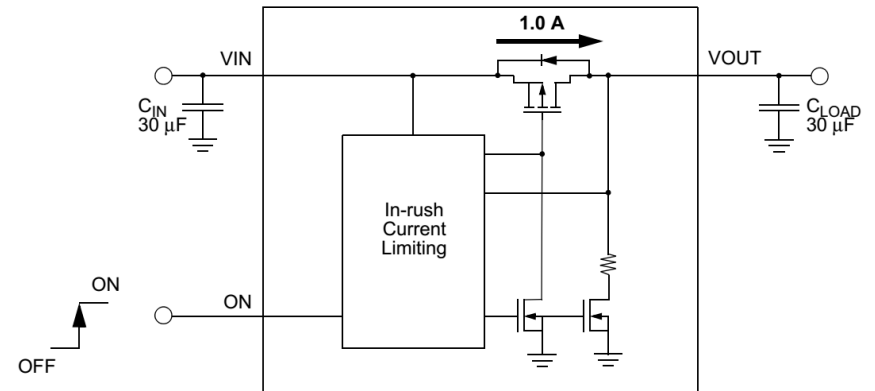


Figure 1: SLG59M1730C Block Diagram

2.4. 2 oz. copper is recommended for higher currents.

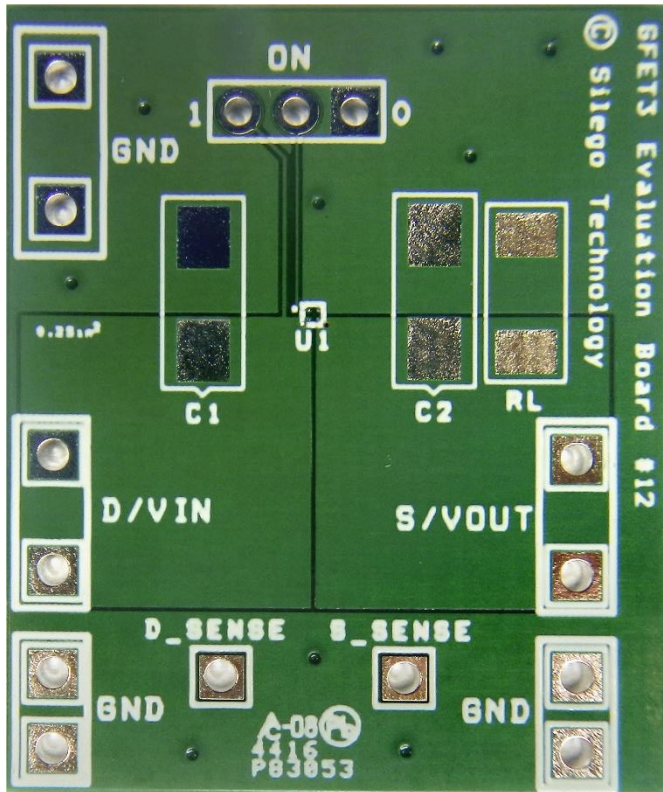


Figure 3. SLG59M1730C Evaluation Test Board

Note: Evaluation board has D_Sense and S_Sense pads. Please use them only for RDS(ON) evaluation.

3. Basic Test Setup and Connections

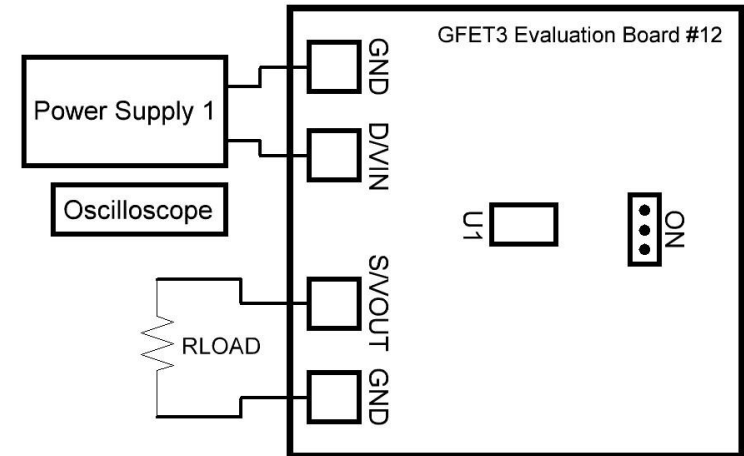


Figure 5. Typical connections for GFET3 Evaluation

3.1 EVB Configuration

1. Connect oscilloscope probes to D/VIN, S/VOUT, ON, etc.
2. Turn ON Power Supply and set desirable V_{IN} in range of 2.5 to 5.5 V.
3. Switch ON to High or Low to evaluate GFET3 operation.