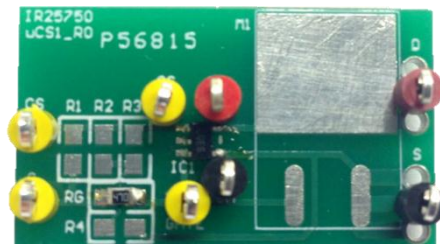


IRuCS1 Adapter Board

IR25750L D2PAK/DPAK In-Circuit Evaluation Board



The **IRuCS1** adapter board (shown above) is designed for easy and fast in-circuit evaluation of IR's new and novel RDS(on) or VCE(on) current sensing IC, the IR25750L. The adapter board includes the tiny SOT-23 5-pin IR25750L IC (IC1), a gate resistor (RG), and on-board test points for fast and easy scope measurements. A footprint for D2PAK or DPAK is included on the adapter board giving the user freedom to place different MOSFET or IGBT types, depending on their application. The adapter board can easily be connected into an existing switching power circuit board using the provided gate, drain and source pads. Resistor footprints (R1, R2, R3, and R4) are also included for optional temperature compensation. For more information on how to use the IR25750L or to design the temperature compensation network, please refer to application note AN-1199.

The schematic and PCB layout for the adapter board are shown below.

