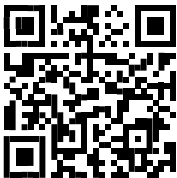



2A Slew Rate Controlled Load Switch with Reverse Blocking

EVAL Kit Physical Contents

Item #	Description	Quantity
1	KTS1601 EVAL Kit fully assembled PCB	1
3	Anti-static bag	1
4	KTS1601 EVAL Kit Quick Start Guide -- printed 1-page (A4 or US Letter)	1
5	EVAL Kit box	1

QR Links for Documents

IC Datasheet	EVAL Kit Landing Page
 https://www.kinet-ic.com/KTS1601/	 https://www.kinet-ic.com/kts1601eaum-mmev01/

User-Supplied Equipment

1. Bench Power Supply for VIN – 5V and 0.5A/2A, as needed for the intended application.
2. Digital Multimeter – used to measure input/output voltages and currents.

Quick Start Procedures

1. Set Jumper to default: EN = VIN (High)
2. Connect one pair of Banana-to-clip power cables to the test points at VIN and GND (right edge of EVAL Kit).
3. Before connecting the EVAL Kit to the VIN bench supply, turn on the supply and adjust the voltage as close to 0V as possible. Then turn off the supply. While off, connect the banana ends of the Banana-to-clip power cables to the VIN bench supply.
4. Turn on the VIN bench supply and very slowly ramp its voltage to an appropriate voltage of 4.5V. While ramping VIN slowly, use the bench supply's output current indication (or a digital multimeter) to monitor the VIN current. If the current becomes high, reduce the VIN voltage quickly to prevent damage. Then inspect the setup for any wiring errors.
5. With valid VIN voltage, use a digital multimeter to check the output voltage between the KVOUT and GND terminals on the EVAL Kit. It should be nearly the same as the input voltage.
6. Use a digital multimeter to check the no-load supply current at VIN. Consult the KTS1601 datasheet for the expected current range at the VIN voltage condition in use. For conditions of VIN = 4.5V, EN = VIN, and no-load, it should be close to 6 μ A.