



Flat-Clamp Mini TVS for High Voltage Surge & ESD Protection

EVAL Kit Physical Contents

Item #	Description	Quantity
1	KTS1289 EVAL fully assembled PCB	1
2	XT30-to-Banana power cables, red/black pair	2 pairs
3	Anti-static bag	1
4	Quick Start Guide, printed 1 page (A4 or US Letter)	1
5	EVAL Kit box	1

QR Links for Documents

IC Landing Page	EVAL Kit Landing Page
 https://www.kinet-ic.com/kts1289/	 https://www.kinet-ic.com/kts1289ecae-mmev01/

User-Supplied Equipment

Required Equipment

1. Digital Multimeter - one or more, used to measure IN – GND Diode.
2. Surge Tester - Test the TVS surge capability

Optional Equipment

1. Oscilloscope – for dynamic testing of clamping voltages (and surge currents with a current probe, if available).

Quick Start Procedures

1. Use a digital multimeter to check the TVS diode value. it should be close to 0.7V.
2. Use the oscilloscope to capture the surge clamping voltage waveform during surge event.