

EK023 – Tiny Regulator

Kit description:

EK023 is a universal kit for all 78-series positive voltage regulators. The board has patterns for both the smaller TO-92 and the larger TO-220. The kit includes 10uF and 0.1uF capacitors for stability and low noise operation. Either screw terminals, pin headers or wires can be attached to the input and output. For low current operation and small voltage difference between input and output, the regulators can work without a heatsink. For heavier loads or large Vin/Vout difference, a heatsink should be used.

- * Supply voltage: min. 2V over rated output
- * Maximum current: 100mA (78Lxx) / 1000mA (78xx)
- * Dimensions: 12.7 x 35.6mm



Assembly guide:

Before you begin mounting components, make sure the board is free from damage and scratches. Make sure all the components are included and are of correct value. Compare with the component list! Please observe the markings on the board. Some components are polarized and must be mounted in the correct orientation to work.

Component list:

RefDes	Value	Qty.	Part.no.
P1, P2	2.54mm 1x2p	2	
C1, C3	100 nF	2	41015538
C2, C4	10 uF	2	40520003
U1	78xx / 78Lxx	1	

Schematic:

