

LM317 Voltage Regulator

Category: Electronic

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The image contains two main parts: a physical component and a circuit diagram. The top part shows a TO-220 package LM317T voltage regulator IC with its three pins labeled: Pin1 (Adj), Pin2 (Output), and Pin3 (Input). The bottom part is an application circuit diagram for the LM317. It shows the IC connected to a 40V DC input (Max IN) through a 330nF capacitor. The input pin (Pin3) is connected to the input. The output pin (Pin2) is connected to the output terminal (OUT) through a 1µF capacitor. The adjustment pin (Pin1) is connected to the output through a 240 Ohm resistor and to the input through a 5K resistor. The output voltage is specified as 1.2V to 37V. A watermark 'inder singh chahal' is visible over the component image, and a 'WWW.MBSM.PRO' logo is in the bottom right corner of the diagram area.

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