

**Product Name :**

Junction Diode Rectifier &amp; Filter Characteristics

**Product Code :**

ALABS-A36-072

**Description :****Junction Diode Rectifier & Filter Characteristics**

Study of junction diode rectifier & filter characteristics.

1. Study of junction diode rectifier output and ripple content for different resistive loads for :

- (1) Half wave.
- (2) Full wave (Centre Tap).
- (3) Full wave (Bridge).
- (4) Voltage doubler circuit.

2. Study of filter and load regulation characteristics for half wave and full wave rectifier having different resistive loads and filters of the type

- (1) Capacitor filter.
- (2) Capacitor Filter with capacitor value doubled.
- (3) Inductor filter.

(4) Capacitor input L section filter.

(5) Capacitor input p section filter.

Features:

The board consists of the following built-in parts :

1. Mains transformer, secondary centre tap 100-0-100V at 100 mA.
2. DC Milliammeter, 65mm rectangular dial to read 0-100 mA.
3. DC Voltmeter, 65mm rectangular dial to read 0-300 V.
4. Four Silicon Junction Diodes.
5. Filter choke.
6. Adequate no. of other electronic components.
7. Mains ON/OFF switch, Fuse and Jewel light



## Equipments Exporters

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