

Product Name :
MOS FET Characteristics

Product Code :
NLAB-ELECTRONICSAB420028

Description :

MOS FET Characteristics

Technical Specification :

Experimental Training Board has been specifically designed to study the characteristics of MOSFET (Metal Oxide Semiconductor Field Effect

Transistor) and its use as an amplifier.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

01. To determine experimentally the Drain characteristics of a given MOSFET.

02. To study the use of MOSFET as an amplifier and to measure its voltage gain in common source configuration.

Features:

The board consists of following built-in parts:

01. 0-15V D.C. at 50mA, continuously variable regulated Power Supply.

02. 0-4V D.C. at 10mA, continuously variable regulated Power Supply.

03. 0-1V D.C. at 10mA, continuously variable regulated Power Supply.

04. Digital Voltmeter DC 3½ Digit range of 20V.

05. Digital Current meter DC 3½ Digit range of 20mA .

06. Metal Oxide Semiconductor Field Effect Transistor (MOSFET).

07. Adequate no. of other electronic components.

08. Mains ON/OFF switch, Fuse and Jewel light.

The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.

Adequate no. of patch cords stackable from rear both ends 4mm spring loaded plug length $\frac{1}{2}$ metre.

Other Apparatus Required:

Audio Frequency Generator

A.C. Millivoltmeter

Cathode Ray Oscilloscope 20MHz

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