

Product Name :
FET Characteristics for Vocational Training and Didactic Labs

Product Code :
ETKN-0025



Description :

Equipment for Education, Engineering and Vocational Training - Experimental Training Board has been designed specifically to study the characteristics of a Field Effect Transistor.

Technical Specification :

The board is absolutely self contained and requires no other apparatus. Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

- * To study the characteristics of Field Effect Transistor
- * Measurement of $IDSS$
- * Plot the static drain characteristics of FET
- * (a) Drain Current V/s Drain Voltage Characteristics for different fixed values of V_{GS}
- * (b) Drain Current V/s Gate Bias Characteristics for different

fixed values of VDS Calculate the FET parameters (drain dynamic resistance r_d , mutual

conductance g_m , and amplification factor μ) at a given operating point

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