

DL 2155ART BJT FEED-BACK AMPLIFIERS

The board is designed to afford the problems connected to the introduction of negative feedback into an amplifier, and to its influence on the different parameters: amplification, bandwidth, input and output resistances, noise.

The different feedback configurations are theoretically analyzed and experimentally checked: series voltage, parallel voltage, series current, parallel current.

Single stage and multistage amplifiers are used, the latter in direct coupling.

The board is supplied complete with a set of stackable, plug-in cables of suitable lengths and colours and with a training manual.

Power supply: + 15 V, 750 mA

Examples of performable exercises

- Analysis and study of an amplifier with series or parallel voltage feedback and with series or parallel current feedback
- Analysis and study of multistage amplifiers with direct coupling
- Influence of feedback in the amplifier: study of the amplifier with connected/unconnected feedback

Accessories and Instrumentation

- DL 2555AL or DL 2155PCS
- Power supply
- Universal multimeter
- Dual trace oscilloscope
- Frequency counter

DL 2155FET FET-MOSFET

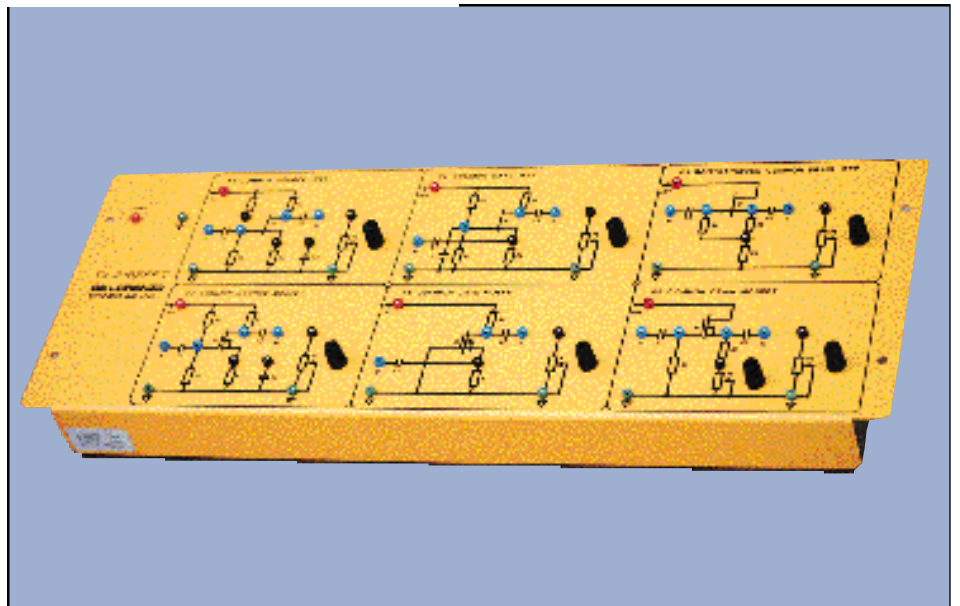
The board provides a full support concerning the elementary amplification configurations.

It affords the problems related to the use of FETs and MOSFETs in the three basic configurations: common source, gate and drain.

Firstly, the bias and working point stabilization problems are considered. Then, the typical features of the configurations are analyzed: voltage gain, input and output resistances.

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Power supply: + 15 V, 750 mA



Examples of performable exercises

- FET and MOSFET bias in the different configurations
- Measurement of typical configuration parameters
- Bootstrap effect in common drain configuration

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