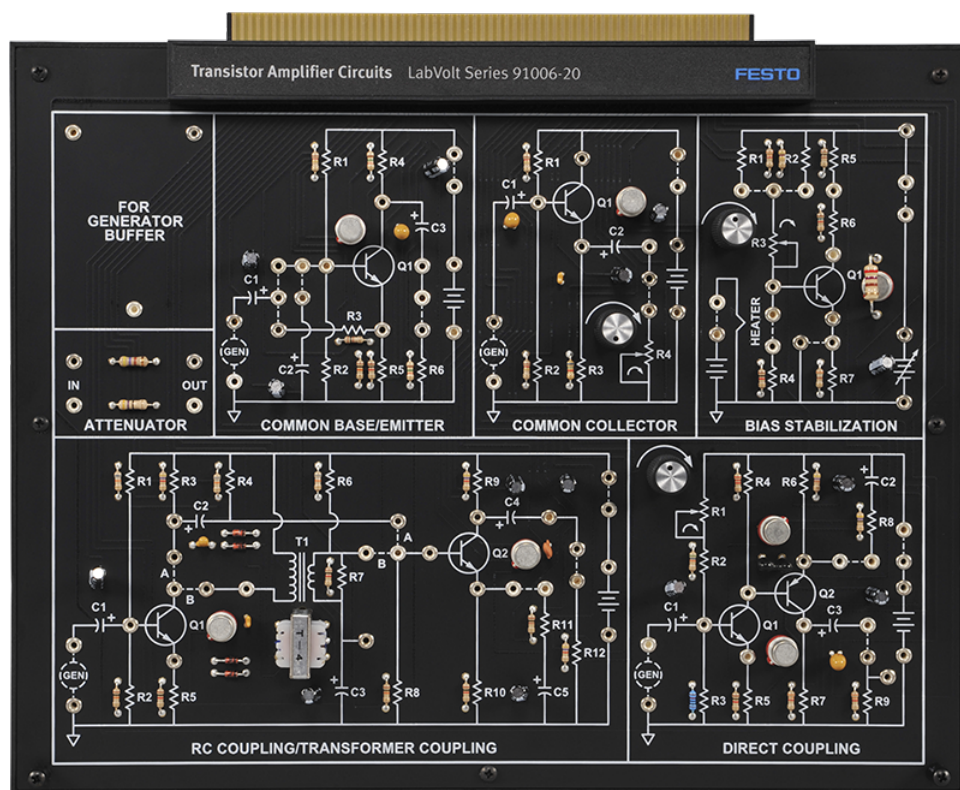


# Transistor Amplifier Circuits FACET Board 580937 (91006-20)

**FESTO**

LabVolt Series

Datasheet



Festo Didactic  
en  
10/2024

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## General Description

The Transistor Amplifier Circuits module allows students to perform practical exercises that demonstrate transistor amplifier principles.

Students will identify and isolate faults within the following six circuit blocks:

- Attenuator
- Common Base/ Emitter
- Common Collector
- Bias Stabilization
- RC Coupling/ Transformer Coupling
- Direct Coupling

## Topic Coverage

- Circuit Location and Identification
- Multistage Amplifier Introduction
- Common Base, Common Emitter and Common Collector Circuits AC/DC Operation
- Temperature Effect on Fixed Bias Circuit and Voltage Divider Bias Circuit
- Transistor Parameters Familiarization and Understanding the Specification Sheet
- RC Coupled Amplifier DC Operation, AC Voltage Gain and Phase Relationship, Frequency Response
- Transformer Coupled Amplifier AC/DC Operation, Frequency Response
- Direct Coupled Amplifier AC/DC Operation , Frequency Response
- Troubleshooting Basics and Troubleshooting Transistor Amplifier Circuits

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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**Festo Didactic SE**

Rechbergstrasse 3  
73770 Denkendorf  
Germany

P. +49(0)711/3467-0  
F. +49(0)711/347-54-88500

**Festo Didactic Inc.**

607 Industrial Way West  
Eatontown, NJ 07724  
United States

P. +1-732-938-2000  
F. +1-732-774-8573

**Festo Didactic Ltée/Ltd**

675 rue du Carbone  
Québec QC G2N 2K7  
Canada

P. +1-418-849-1000  
F. +1-418-849-1666

**[www.labvolt.com](http://www.labvolt.com)**

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