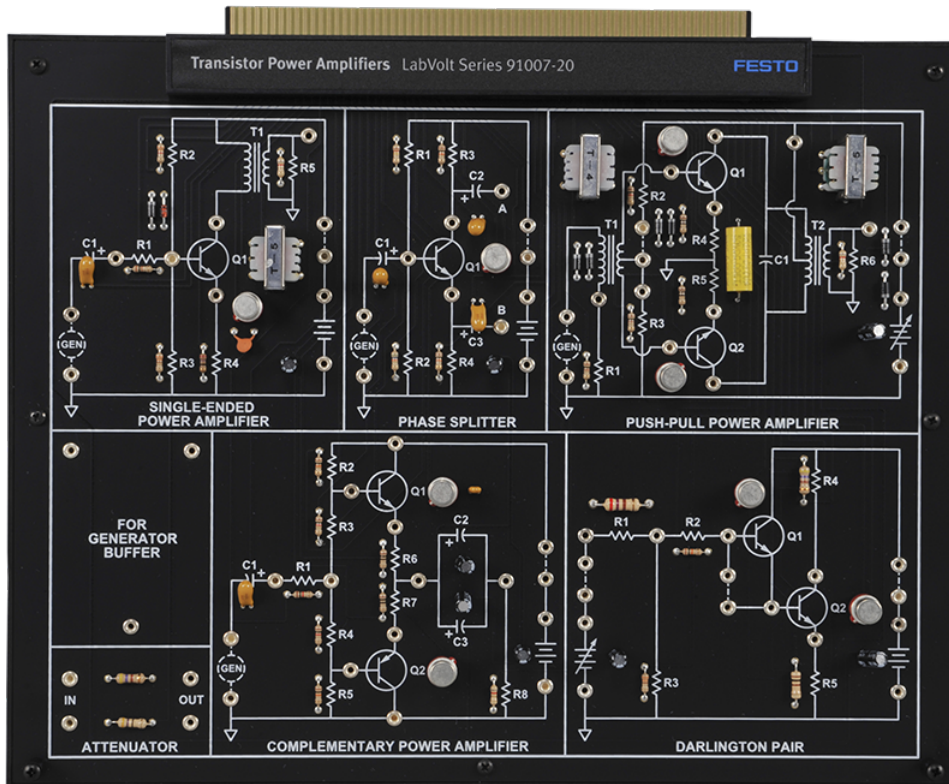


Transistor Power Amplifiers FACET Board 580949 (91007-20)

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Table of Contents

General Description _____	3
Topic Coverage _____	3

General Description

The Transistor Power Amplifiers module is designed to teach troubleshooting of transistor power amplifier circuitry. Training on this board includes identifying and isolating the following circuits:

- Single-Ended Power Amplifier
- Phase Splitter
- Push-Pull Power Amplifier
- Attenuator
- Complementary Power Amplifier
- Darlington Pair

Topic Coverage

- Circuit Location and Identification
- Single-Ended Power Amplifiers: Introduction, DC Operation, AC Operation, Voltage Gain, Power Gain
- Phase Splitter DC Operation
- Voltage Gain and Input/Output Signal Phase Relationship
- Push-Pull Power Amplifiers: DC Operation, AC Operation, Voltage and Power Gain
- Complementary Power Amplifiers: DC Operation, AC Operation, Voltage Gain and Power Gain
- Darlington Pair Current Gain Characteristics, Input and Output Impedance
- Troubleshooting Basics and Troubleshooting Transistor Power Amplifiers

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.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2024. All rights reserved.

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

www.festo-didactic.com