**AMPLIFIER CIRCUITS TRAINERS**

**Class - B Push Pull Power Amplifier**

 Built in fixed power supply of 12V @ 250mA

 In built speaker as a load resistor.

**Common Drain FET Amplifier**

 Built in fixed power supply of +12V @ 250mA

 FET is provided on board

**Class-B Complementary Symmetry Power Amplifier**

 Built in fixed power supplies of +5V,-5V @ 250mA

 One NPN and One PNP transistor is used

**Two Stage R.C Coupled Amplifier**

 Built in fixed power supply of +12V @ 250mA

 Different values of capacitors are provided on board to change the bypass values.

**Darlington Emitter Follower**

 With built in fixed power supply of +12V @ 250mA

**Common Collector (CC) Amplifier**

 With built in one fixed voltage supply of +12V @ 250mA

**Class A Power Amplifier with Transformer Load**

 With Built in fixed power supplies of 12V @ 250mA

**Common Base (CB) Amplifier**

 Built in fixed power supplies of +12V,-12V @ 250mA

 A PNP transistor is used for amplification

**Class C Power Amplifier**

 Built in fixed power supplies of +12V,-12V @ 250mA

 A LC parallel resonant circuit used as the collector load for transistor

**Differential Amplifier**

 Built in two input terminals

 Built in two fixed voltage supplies of +12V,-12V @ 250mA.

 Built in transistor circuit

**Class - A Power Amplifier**

 Built in fixed power supply of +12V @ 250mA.

 Inductive coupled power amplifier

**Feed Back Amplifiers**

 Voltage series,Voltage Shunt, current series, current shunt is provided in single board.

 Provision to study with and without feedback

 Built in fixed power supplies of +12V @ 250mA.

**Current and Voltage Series Feed Back Amplifiers**

 With Built in fixed power supply of +12V @ 250mA

**Current and Voltage Shunt Feed Back Amplifiers**

 With Built in fixed power supply of +12V @ 250mA

**Tuned RF Amplifier**

 Built in fixed power supply of +12V @ 250mA

 Different values of capacitors to vary the resonant frequency.

**Common Source FET Amplifier**

 With Built in fixed power supply of +12V @ 250mA