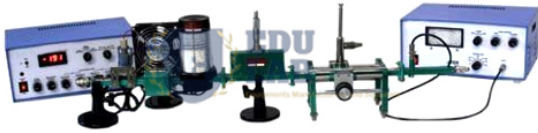


**Product Code . EL-EELE-11311**

## Microwave Trainer



### Description

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#### Microwave Trainer

Technical Specifications:-

- Output power : + 4.5 dBm max.
- Impedance : 50 $\Omega$ .
- Frequency Band : 2.4GHz ~ 2.5GHz.
- Modulation : FSK.
- Bit Rate : 4800 ~ 14400 bps.
- Substrate material : Rogers RO4003C.
- PCB thickness : 0.508 mm.
- Dielectric constant : 3.38.
- Low Noise Amplifier : (Gain : 26dB, Noise figure : 2.5dB, Input : p1dBm).
- Power Divider : (Type : 2 way Wilkinson, Return loss : 14dB, Insertion Loss : 0.5dB).
- Band Pass Filter (2.4 GHz) : ( Type : Edge-coupled, Return loss : 10dB, Insertion loss : 7.0dB).
- Band Pass Filter (2.5 GHz) : ( Type : Edge-coupled, Return loss : 10dB, Insertion loss : 7.0dB).

- 
- RF Amplifier : ( Gain : 15dB, Input : -5dBm).
  - Antenna (Transmitting & Receiving).

#### Features:-

- FSK modulation & Demodulation in Microwave band.
- File transfer and data transmission.
- Communication using the Microwave System.
- Measurement in Microwave system.
- Understanding of the micro strip design line theory.
- Understanding the basic theory of microwave devices.
- Experiment in manufacturing and measurement of microwave devices.
- Design and simulation of Microwave devices.



We are leading manufacturers, suppliers of Microwave Trainer for Electronics Engineering Lab Equipments. Contact us to get high quality Microwave Trainer for Electronics Engineering Lab Equipments for schools, colleges, universities, research labs, laboratories and various industries.


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