Product name:	Product code:
Microwave Trainer	Digital00006



Description

Microwave Trainer

Technical specification

- Output power : + 4.5 dBm max.
- Impedance : 50?
- 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)

Microwave Trainer

Features :

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

Technical Specifications :

- Frequency Band : 2.4GHz ~ 2.5GHz
- Modulation : FSK
- Bit Rate : 4800 ~ 14400 bps