

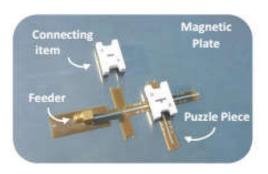


## Microwave Teaching Kits based on a "puzzle" concept

THE BASICS OF MICROWAVES

MICROSTRIP TECHNOLOGY A NEW WAY TO CONDUCT EXPERIMENTS OPERATING FROM DC TO 3 GHZ MAKE YOUR IDEAS A REALITY

# Concept



- turnkey solutions with great flexibility to support and illustrate your course contents
- . ease of use and operation
- very attractive and didactic for students

# Comprehensive practical works from theory to measurement





Thanks to Eductika Kits and a full-2port VNA, students can both carry out their lab experiments and directly test the structure performances on the measuring device!

## Product families

**Passive Devices** 

# PLEASE CONTACT



## Headquarters

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# Training KIT of Passive Devices

This solution is designed for students so they can learn about passive components

Part numbers: EDU1-STD8126 (option 1), EDU1-STD8345 (option 2)

## 1 special set

1 Storage box



SMA cable pair male to male



1 User guide



Feeders and

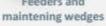
Connecting Items:

Calibration and miscellaneous items

1 USB stick containing practical guides and summary sheets on the key points (technologies, principles & functions, synthesis)









+ 3 topics with practical guides and answers

## Option 1

their relations (Zc, Er)

#### Box B1

Study of:

The Fundamentals of Microstrip Lines

# Study of:

Box 82

Impedance Matching

#### transformers - stub matching (single and double stubs)

- quarter-wave multisection

#### - 66 puzzle pieces ("Line" & "Function" type)

#### Box B6

Stub Band-Pass Filters

Design of stub band-pass filters:

- open-circuit stubs
- short-circuit stubs
- parallel short-circuit stubs

- 62 puzzle pieces ("Line" type)

- 21 puzzle pieces ("Line" &

"Function" type) and 3 pieces with

-features of a microstrip line and

- inductances, capacitances, series

- open and short-circuit stubs

and parallel resonant circuits.

SMA connectors

### Or Option 2

Box B3

#### **Power Dividers**

Box B4 **Directional Couplers** 

#### Box B5

**Low-Pass Filters** 

Design of three-port power

dividers:

-"T" power splitter

- Wilkinson power splitter

Design of:

ring hybrid coupler ("rat-race")

- coupled-line coupler

- branch-line coupler,

- 68 puzzle pieces ("Line" & "Function" type)

Design of semi-lumped low-pass filters:

- chebyshev filters
- elliptic filter

- 38 puzzle pieces ("Line" & "Function" type)

- 28 puzzle pieces ("Line" & "Function" type)

www.eductika.com

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