



PED 037 671

STUDY OF THE NODAL BREAKDOWN SUPPLY PRINCIPLES

The PED 037 671 unit allows to present three main types of nodal breakdown supply : Flyback, forward, push-Pull

Functions :

- Transformers energy converter,
- Controlled break function by transistors,
- Adjustable pulse generator,
- Coil effect smoothing,
- RC circuit charge,
- “Condensor-diode” detection, allows display of energy transfer.

LAB WORKS :

- 1 – Energy transfer in a Flyback supply
- 2 – Flyback supply
- 3 – Energy transfer in a Forward
- 4 – Forward supply
- 5 – Push Pull supply
- 6 – Regulated Flyback supply
- 7 – Step-down transformer hatcher / inductive accumulation
- 8 – Step-up transformer hatcher with inductive accumulation
- 9 – Hatcher with capacitive accumulation

The PED3767B unit « STUDY of NODAL BREAKDOWN SUPPLY » includes :

Reference	Designation	Quantity
PED 037 671	Nodal breakdown supply module, instruction manual	1
ERD 037 782	Bag of security stackable patching cords (several lengths and colours) 20 of 2 mm and 5 of 4 mm	1
PMM 062 200	Common setting supply : +10 to +15 Vdc 4 A and -10 to -15 Vdc 2 A	1
	OPTIONS (not included):	
PEM 010 180	BNC insulated cord ½ male connectors ,length : 1.5 m (2 recommended)	
PMM 063 805	Digital Oscilloscope : 2x60 MHz	