Dummy load for DC-DC converter $0 \times 1 \times 1$ Vesistance changable $10 \rightarrow \frac{1}{10} + \frac{1}{x} = \frac{10 + x}{10 \times 2} \Rightarrow \frac{10^{x}}{10 + x} \times > 10$ $\frac{1 \times 10}{20} = 5 \times 10$ $\frac{1 \times 10}{20} = 5 \times 10$ $\frac{2 \times 10}{20} = 6.6 \times 10$ when x = 20

D Pavallel with resistor (very small.) X > only com achieve < smaller resistance

Pigital resistance × 60 12

Wiper resistance × 60 12

& Cannot support such high power (high current N 015A)

(in Hage 127V)

- Theostat → can operate by a screw thread clineur)
- 3 switching a bank of fixed resistors (ladder)

 12.2232425262728272102

 152 202 252 302 402 502 602

 1.6,2,2,3,

But pure vesistors - 0.25W max power go through. (problem)

Switch - MOSTET - Vole - Consume some voltage along the circuit.

MPF100 TD-247 Power Film Resistor

0.052 100W Continuous power at 25°C temp

0.12 With heat sink

0.122

0.152