2012/06/24

Dummy load for DC-DC converter

ON IWA resistance changable

$$\frac{10}{10} \rightarrow \frac{1}{10} + \frac{1}{x} = \frac{10+x}{10x} \Rightarrow \frac{10x}{10+x} \qquad x > 10$$

 $\frac{1w}{20} = 51 \quad \text{When } x = 10$ $\frac{2w}{30} = 6.61 \quad \text{when } x = 20$

1 -> - + - 61 = 60 = 60 & 1

D Parabel with resistor every small.) X → only con achieve < smaller resistance

Digital resistance × 60 12

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

(vo Hage INTV)

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

 12.2232 4252 6272 82 92 102

 152 202 252 302 402 502 602

 1.6,2,2,3,

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

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

MPF100 TD-247 Power film Resistor

0.05.2 100W Continuous power cit 25°C temp

0.12 With heat sink

0.12.2

0.15.2