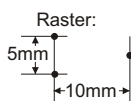# CEBEK®
ELECTRONIC CIRCUITS

C-9448

Pt10v Adjustment Potentiometer

Box composed by:

1k , 4k7 , 10k , 47k
100k , 470k
1M ,

Technical information
included
inside

CEBEK®
ELECTRONIC CIRCUITS

Components place inside the box:

4k7	10k	100k	1M	1k
47k				470k

Ø10 mm

Raster:
5mm
10mm

Adjustment potentiometers for printed circuit board. Vertical Adjustment
Closed casing = Protected against dust
Power = 0,15 W at 40ºC
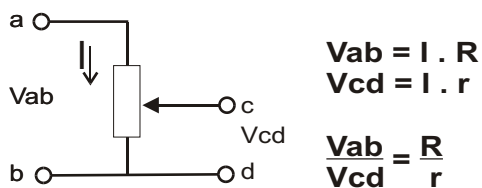Temperature Coef. = ±300ppm/ºC (R<100kW)
Tolerance = ±20% (<=1MW)
Operating Temperature = From -25 to 70ºC

Voltage Divisor

a

I

Vab

c

Vcd

b

d

$$Vab = I \cdot R$$
$$Vcd = I \cdot r$$

$$\frac{Vab}{Vcd} = \frac{R}{r}$$

$$Vcd = Vab \cdot \frac{r}{R}$$

R: *Input resistance = total resistance = R_{ab}*
r: *output resistance = r_{cd}*

Law of Ohm:

$$E = I.R$$

E in Volt
I in Amper
R in Ohm

Formula in relation:

$$R = \frac{E}{I} \qquad I = \frac{E}{R}$$

Potencias en C.Contínua

$$P = E.I$$

P in Watt
E in Volt
I in Amper

Formula in relation:

$$I = \frac{P}{E} \qquad E = \frac{P}{I}$$
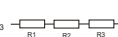
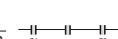|	Connection in Series:	Connection in parallel:
Resistors	$R_T = R_1+R_2+R_3$	$\frac{1}{R_T} = \frac{1}{R_1}+\frac{1}{R_2}+\frac{1}{R_3}$
Capacitors	$\frac{1}{C_T} = \frac{1}{C_1}+\frac{1}{C_2}+\frac{1}{C_3}$	$C_T = C_1+C_2+C_3$
Inductances	$L_T = L_1+L_2+L_3$	$\frac{1}{L_T} = \frac{1}{L_1}+\frac{1}{L_2}+\frac{1}{L_3}$