

TELPOD S.A.



TELPOD Spółka Akcyjna
ul. Lipowa 4; 30 - 702 KRAKÓW; POLAND
Phone: 0048 12 257 10 11; Fax: 0048 12 257 10 13;
e-mail: telpod@telpod.krakow.pl
www.telpod.krakow.pl

SLIDER POTENTIOMETERS TYPE SV 45...

Description:

Potentiometers group SVP (sliders) are enclosed in metal housing with the carbon resistive element. Resistive element in the path of carbon in the form is formed on a base of paper-phenolic laminate silk-screen.

These are made based on the latest technologies (carbon path is made by screen printing, manypoint sliders).

Resistance characteristic of the potentiometer may be linear (A) or logarithmic (B).

Can be made to detach or without.

The length of the slider is 45 mm.

The slider can be metal or plastic.

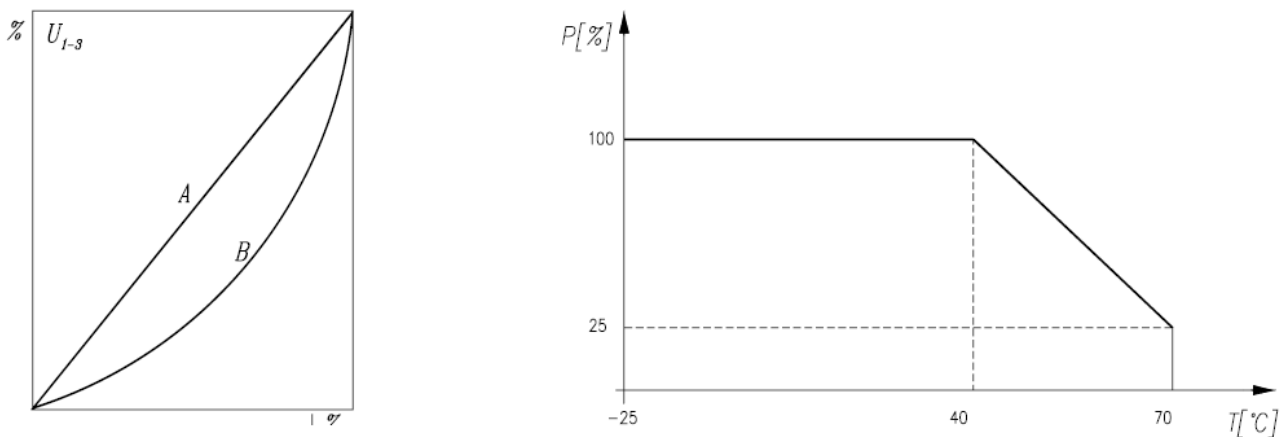
Application:

Potentiometers group SVP are used as a adjustable element in an electronic audio-visual equipment and household appliances.

Quick reference data:

Parameter	Value
Nominal resistance R_N	According E3 series (1 – 2,2 – 4,7 – 10 etc.)
Resistance range: A (linear law) (Ω): B (logarithmic law) (Ω):	470 ÷ 2,2 M 1k ÷ 2,2 M
Tolerance of resistance (%)	$\pm 20\%$ for $R_N \leq 220\text{ k}\Omega$ $\pm 30\%$ for $R_N > 220\text{ k}\Omega$
Maximum dissipation P_N w $T=40^\circ\text{C}$: char. A (W) char. B (W)	0,25 0,125
Maximum working voltage: char. A (V) char. B (V)	350 250
Insulation voltage (V_{DC})	500
Temperature coefficient of resistance	25% P_N
Climatic category	25/070/10

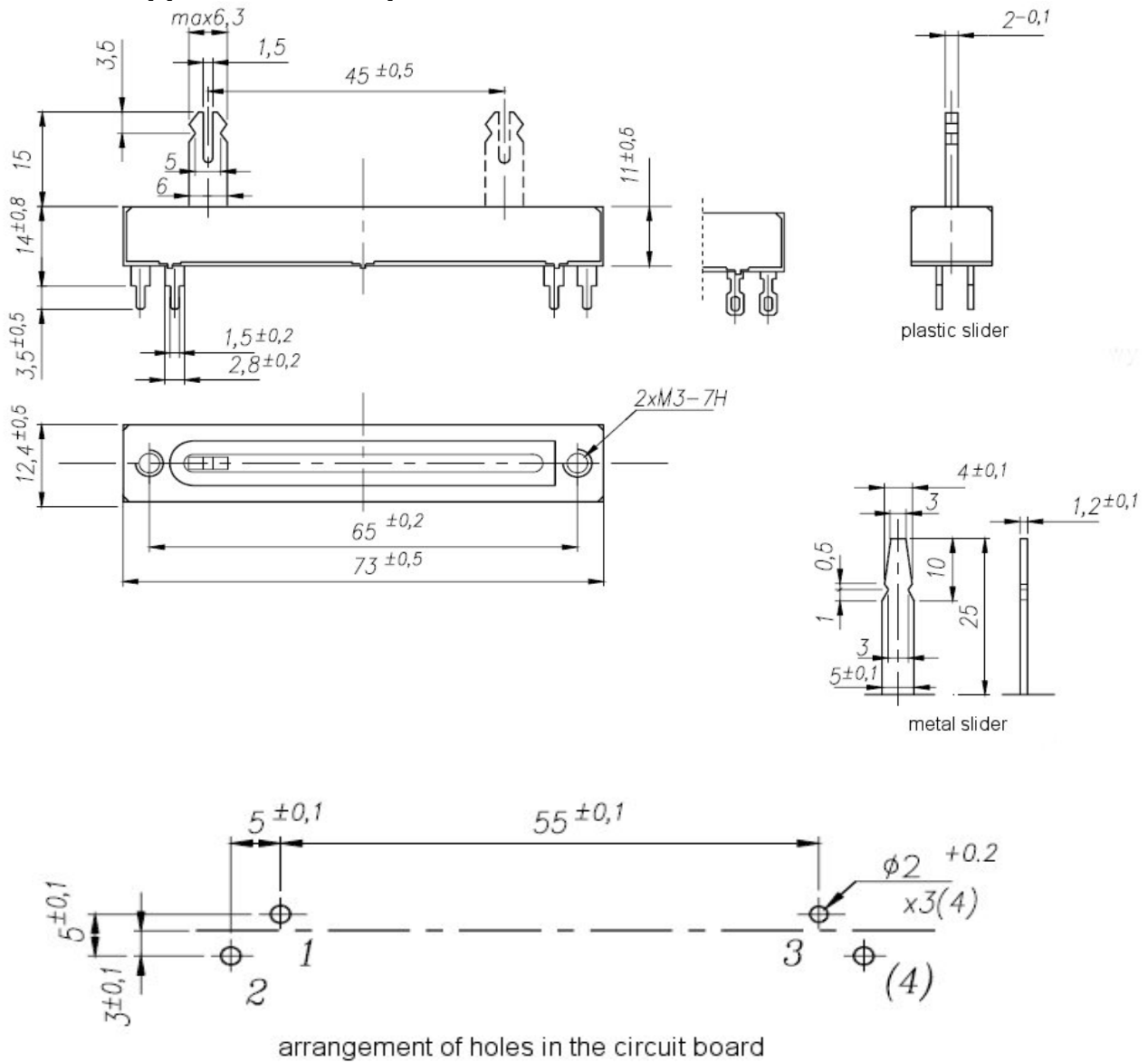
Resistance characteristic and the curve of the potentiometer load:



Pict. 1. Resistance characteristic (A - linear law, B - logarithmic law) and the curve of the potentiometer load as a function of temperature

The potentiometers can be loaded of power with effect from 100% of nominal at room temperatur $\leq + 40^\circ\text{C}$ to 25% of nominal at room temperatur $+ 70^\circ\text{C}$.

External appearance - size potentiometers:



arrangement of holes in the circuit board

Potentiometer type	Slider material	Slider length	Branch	Exit
SV 450N	metal	25	absent	ring
SV 451N	plastic	15	absent	ring
SVT 450N	metal	25	present	ring
SVT 451N	plastic	15	present	ring
SVP 452N	metal	25	absent	to print
SVP 453N	plastic	15	absent	to print
SVPT 452N	metal	25	present	to print
SVPT 453N	plastic	15	present	to print

Marking:

The potentiometers are marked on metal case:
producer „TELPOD”; resistance; resistance characteristics; month; year of
manufacture.

Ordering example:

Please order by example:

Potentiometer is needed to print, 47k Ω , linear law A, plastic slider.

Potentiometer SVP 453N 47k Ω A

Packing:

Potentiometers are packaged in plastic bags and cardboard boxes.

T E L P O D Spółka Akcyjna

ul. Lipowa 4; 30 - 702 K R A K Ó W; POLAND

Phone: 0048 12 257 10 11; Fax: 0048 12 257 10 13;

e-mail: telpod@telpod.krakow.pl
www.telpod.krakow.pl