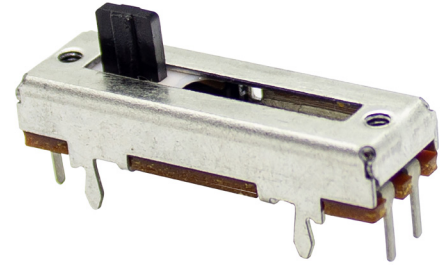


**SERIES:** PTNS2 | **DESCRIPTION:** SLIDE POTENTIOMETER**FEATURES**

- multiple travel length options
- plastic and metal lever options
- carbon element

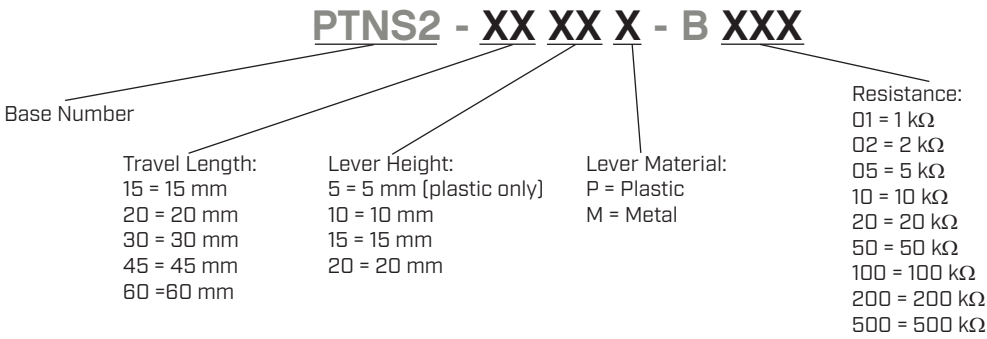
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
maximum operating voltage				200	Vac
power rating				0.25	W
taper	linear				
standard resistance range	see Resistance Table	1		500	k Ω
standard resistance tolerance			± 20		%
residual resistance				20	m Ω
sliding noise				100	mV
insulation resistance	at 250 Vdc	10			M Ω
withstand voltage	for 1 minute		300		Vac
operating temperature		-10		75	$^{\circ}\text{C}$
hand soldering	for 3 seconds max			300	$^{\circ}\text{C}$
wave soldering	for 5 seconds max			260	$^{\circ}\text{C}$
RoHS	yes				

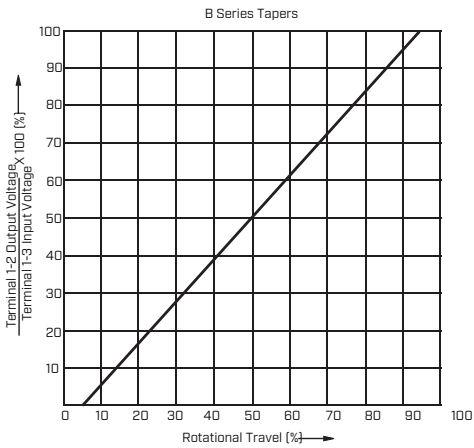
MECHANICAL

parameter	conditions/description	min	typ	max	units
travel length	15, 20, 30, 45, 60 mm models				mm
operating force		30		150	gf
stop strength		5			kgf
sliding life	at 10-15 cycles/minute, no load		10,000		cycles
weight	15 mm travel length models	2.8	3.3	3.8	g
	20 mm travel length models	3.2	3.7	4.2	g
	30 mm travel length models	3.8	4.3	4.8	g
	45 mm travel length models	5.0	5.5	6.0	g
	60 mm travel length models	6.1	6.6	7.1	g

PART NUMBER KEY

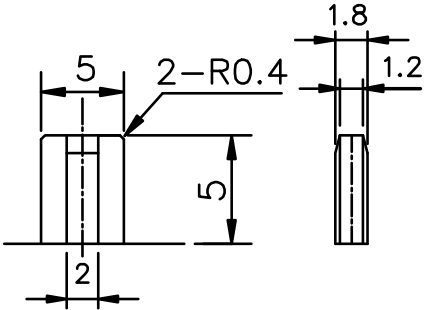
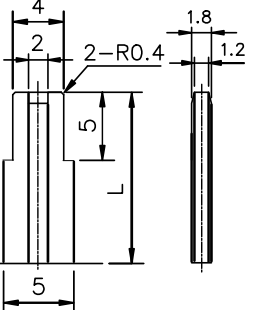
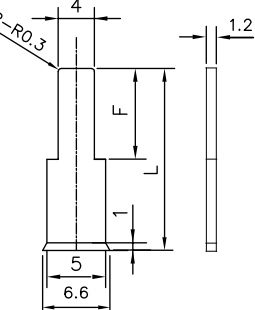


TAPERS



LEVER TYPES

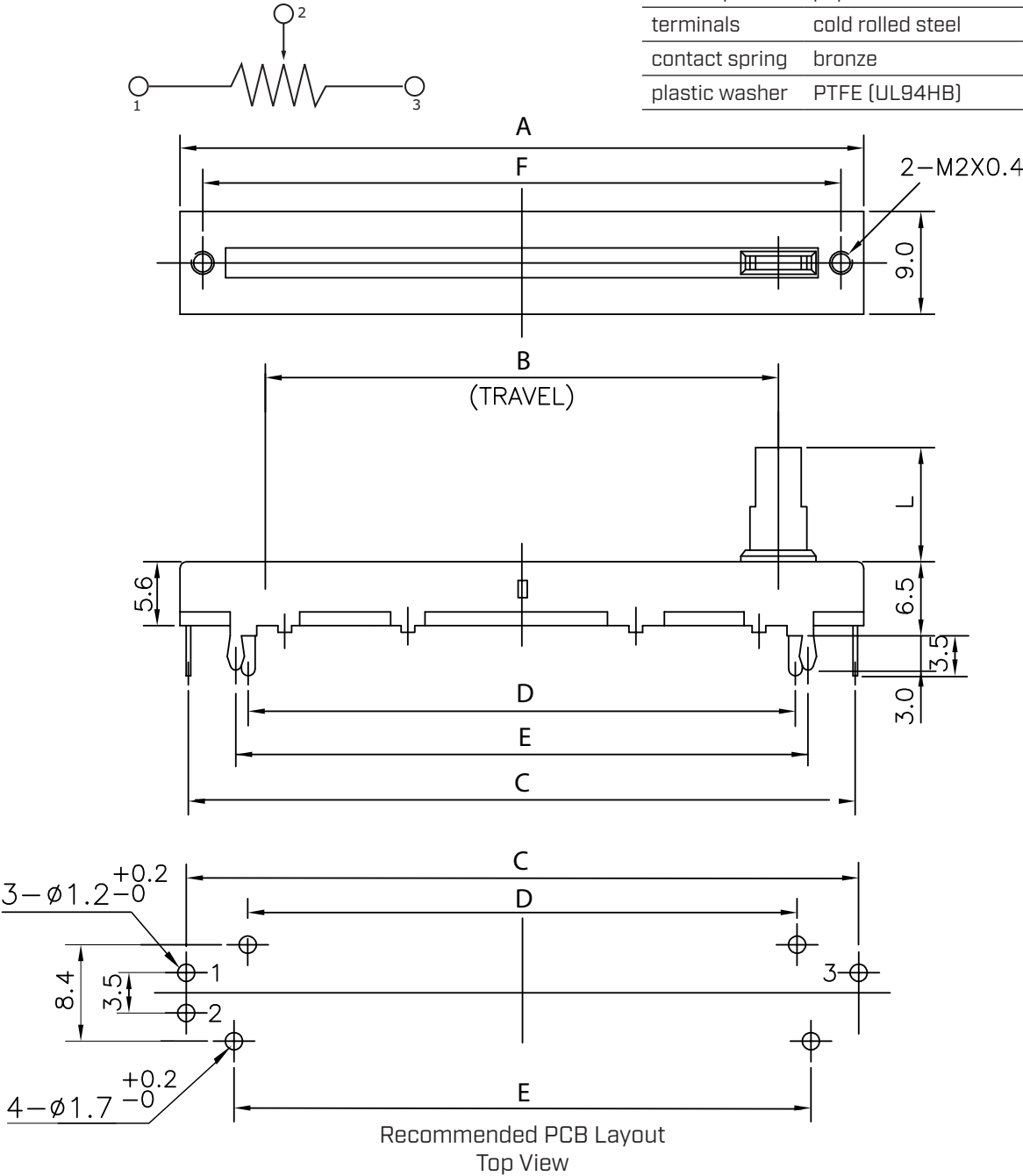
units: mm
tolerance:
X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤100.00: ±1.0 mm
unless otherwise noted

5 mm, Plastic Type	Plastic Type	Metal Type												
														
	<table><tr><td>L</td><td>10</td><td>15</td><td>20</td></tr></table>	L	10	15	20	<table><tr><td>L</td><td>10</td><td>15</td><td>20</td></tr><tr><td>F</td><td>7</td><td>10</td><td>10</td></tr></table>	L	10	15	20	F	7	10	10
L	10	15	20											
L	10	15	20											
F	7	10	10											

MECHANICAL DRAWING (45, 60 MM TRAVEL LENGTH MODELS)

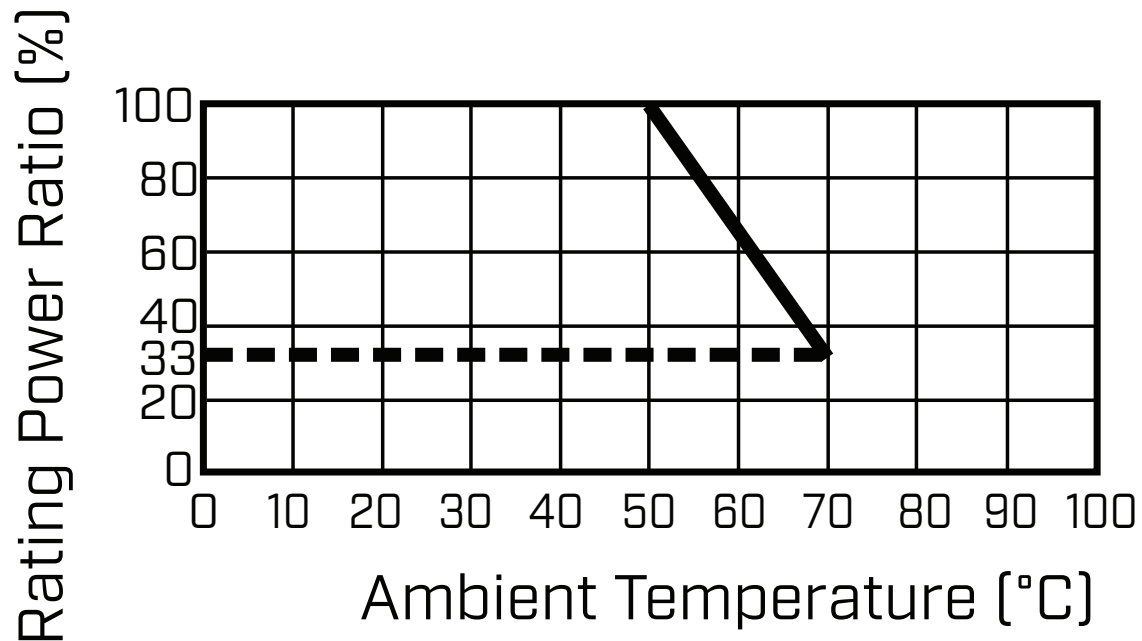
units: mm
tolerance:
X≤10.00: ±0.30 mm
10.00<X≤30.00: ±0.50 mm
30.00<X≤100.00: ±1.0 mm
unless otherwise noted

DESCRIPTION	MATERIAL	PLATING/COLOR
plastic lever	POM (UL94HB)	black
metal lever	cold rolled steel	nickel
reed	zinc alloy	white copper
housing	cold rolled steel	tin
carbon plate	paper substrate	---
terminals	cold rolled steel	tin
contact spring	bronze	tin
plastic washer	PTFE (UL94HB)	white



TRAVEL LENGTH MODELS	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
45	60	45	58.5	47.8	50.2	56
60	75	60	73.5	62.8	65.2	71

POWER DERATING CURVE



REVISION HISTORY

rev.	description	date
1.0	initial release	11/24/2025

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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