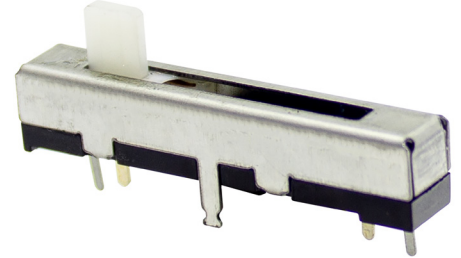


**SERIES:** PTNS3 | **DESCRIPTION:** SLIDE POTENTIOMETER**FEATURES**

- 20 mm travel length
- plastic lever
- carbon element

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
maximum operating voltage				200	Vac
power rating				0.1	W
taper	linear				
standard resistance range	see Resistance Table	1		500	k Ω
standard resistance tolerance			± 20		%
residual resistance				20	m Ω
sliding noise				68	mV
insulation resistance	at 250 Vdc	100			M Ω
withstand voltage	for 1 minute		250		Vac
operating temperature		-10		75	$^{\circ}\text{C}$
hand soldering	for 3 seconds max			300	$^{\circ}\text{C}$
RoHS	yes				

MECHANICAL

parameter	conditions/description	min	typ	max	units
travel length	20 mm				mm
operating force		50		200	gf
stop strength		5			kgf
sliding life	at 10~15 cycles/minute, no load		10,000		cycles
weight		2.5	2.6	2.7	g

PART NUMBER KEY

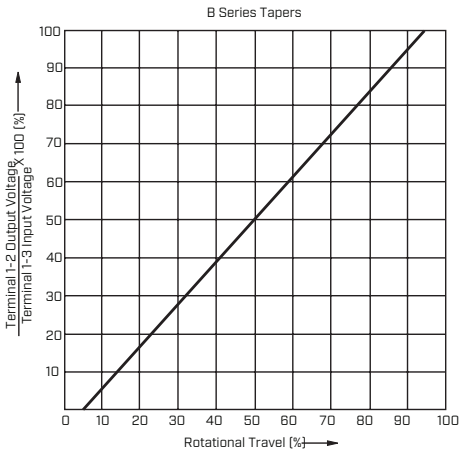
PTNS3 - 20 XX P - B XXX

Base Number

Lever Height:
2.7 = 2.7 mm
5 = 5 mm
10 = 10 mm

Resistance:
01 = 1 kΩ
02 = 2 kΩ
05 = 5 kΩ
10 = 10 kΩ
20 = 20 kΩ
50 = 50 kΩ
100 = 100 kΩ
200 = 200 kΩ
500 = 500 kΩ

TAPERS

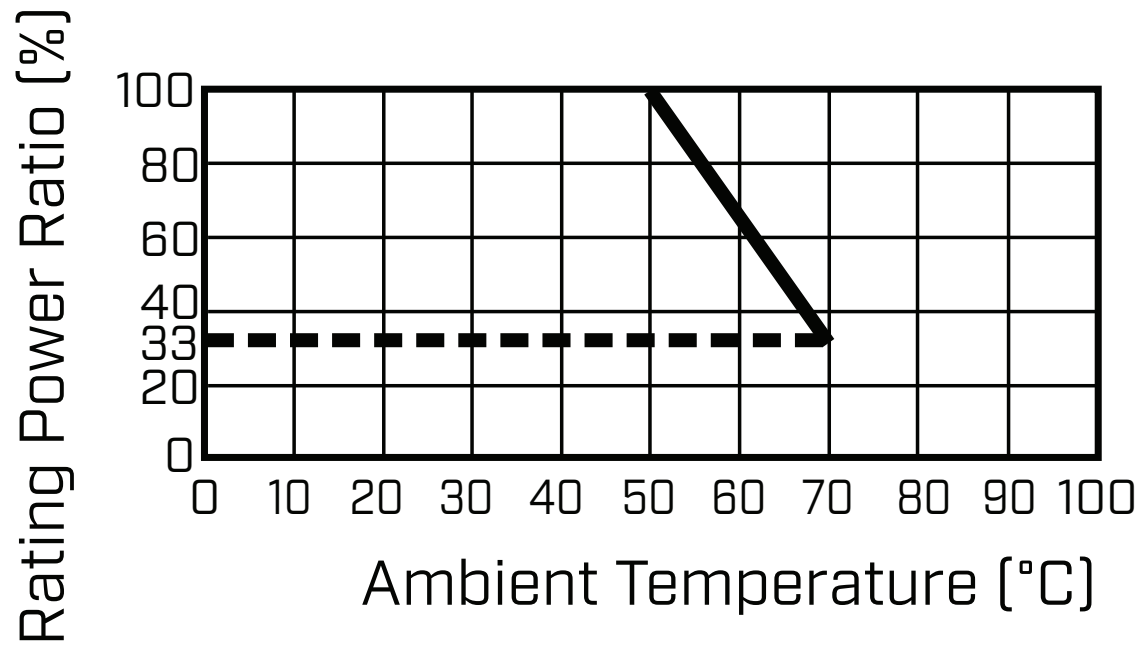


LEVER TYPES

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

2.7, 5 mm Type			10 mm Type		
H	2.7	5	H	10	

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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