



**THE DATASHEET OF
PS45M-0MC2BR10KN**



Slide Potentiometer

Model PSxxM / PSxxL



Features:

- Molded element
- 100,000 cycle life
- Metal or plastic shaft options
- With/without LED illumination
- With/without dust cover
- RoHS compliant

Model Styles Available

Dual Gang Without LED	PSxxM
Single Gang With LED	PSxxL

Electrical

Resistance Range	500Ω - 1MΩ
Standard Resistance Tolerance	±20% ±30% (500Ω and 1MΩ)
Resistance Tapers	A, B, C, L
Residual Resistance	Terminals 1 to 2: ≤10Ω Terminals 2 to 3: ≤30Ω
Input Voltage, Maximum	Linear B Taper: 200VAC Other Tapers: 150VAC
Power Rating, Watts (Single Unit/Dual Unit)	Linear B Taper: 20mm: 0.1W/0.05W; 30mm: 0.2W/0.1W; 45mm: 0.25W/0.125W; 60mm 0.2W/0.2W Other Tapers: 20mm: 0.05W/0.025W; 30mm 0.1W/0.05W; 45mm: 0.125W/0.06W; 60mm 0.1W/0.1W
Dielectric Strength	300VAC, 1 Minute
Insulation Resistance, Minimum	10MΩ at 250VDC, 1 Minute
Sliding Noise	≤100mV
Gang Error	±3dB (-40dB to 0 dB)

Environmental

Operating Temperature	-10°C to +70°C
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General Note
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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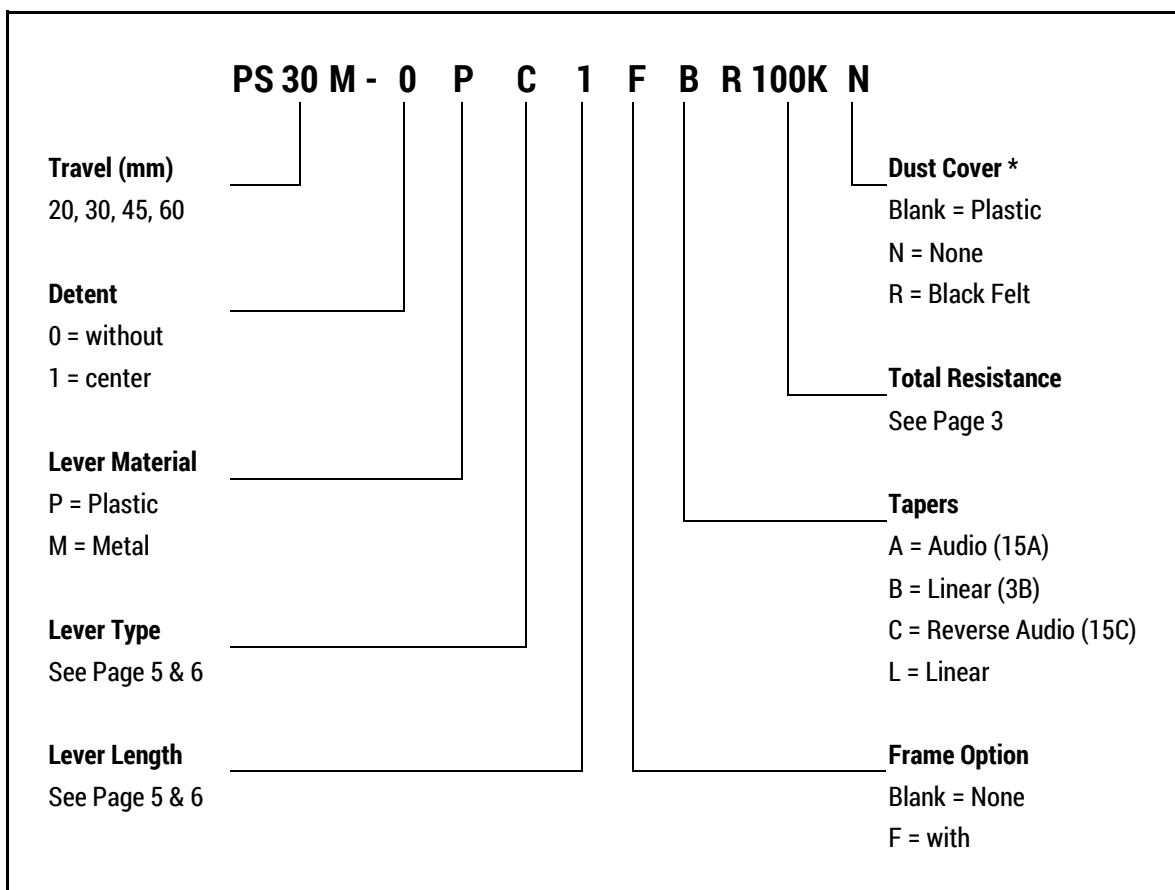
Mechanical

Static Stop Strength, Minimum	5.0 Kgf.cm (from the base level to a point of 2mm)
Operating Force	10gf to 100gf
Detent Force (center click)	50gf-200gf
Lever Wobble, Maximum	2(2xL)/20mm (L = Lever length)
Lever Push-Pull Strength, Minimum	3.0Kgf for 10 seconds

Durability

Sliding Life	100,000 cycles
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Ordering - PSxxM (without LED)

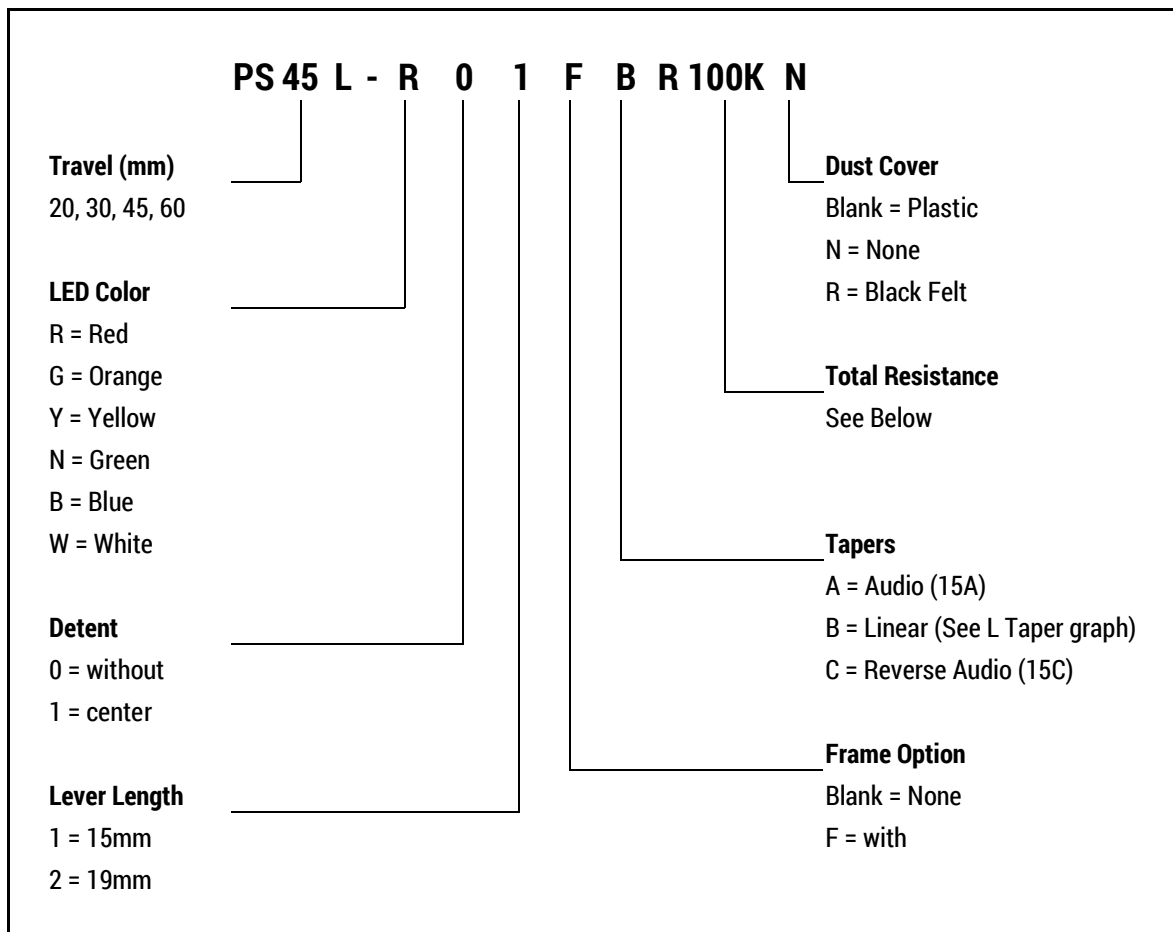


Slide Potentiometer

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Ordering - PSxxL (with LED)



Standard Resistance Values, ohms

500	1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG
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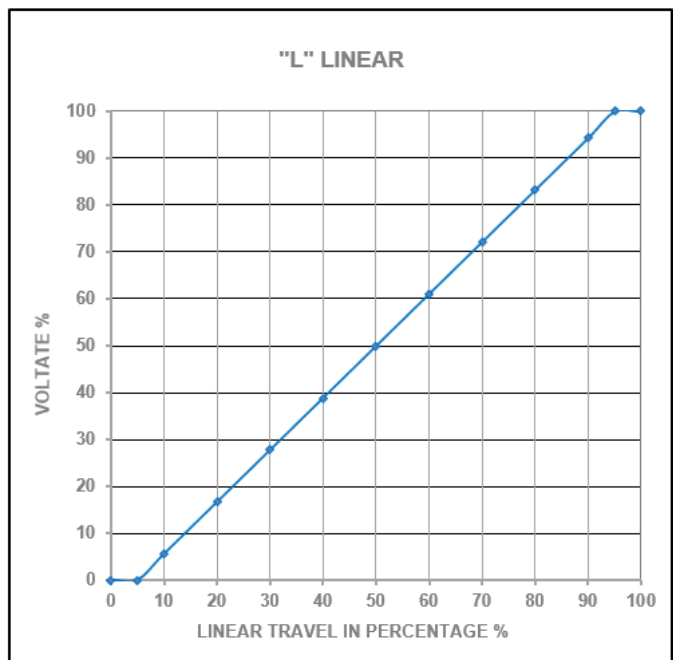
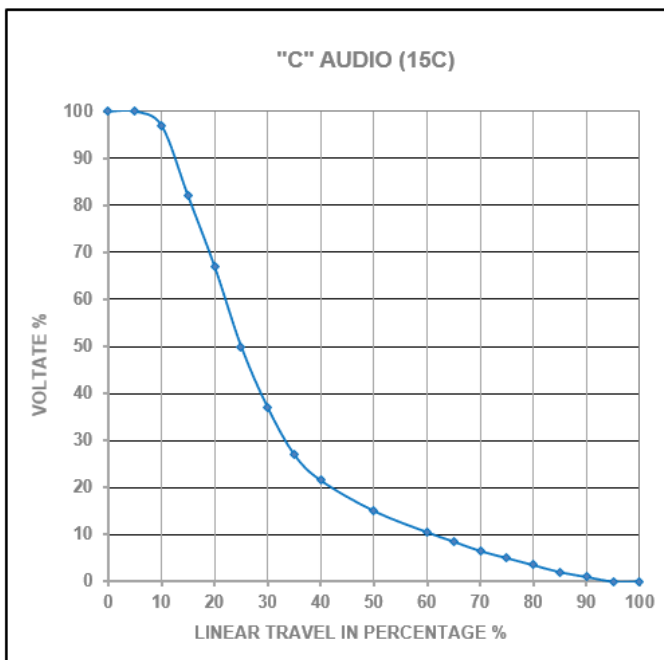
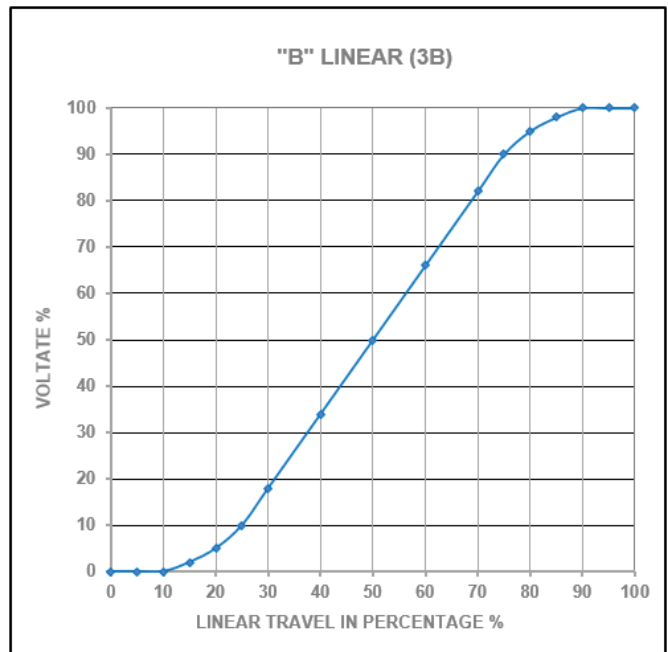
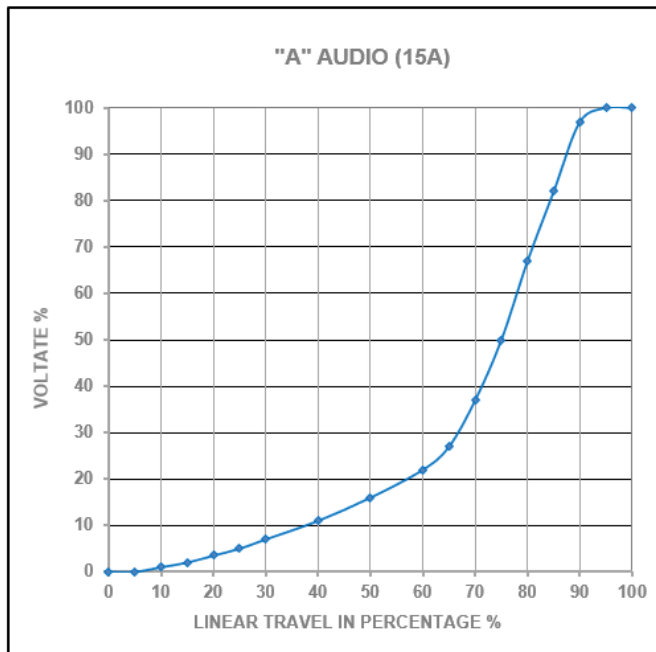
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Tapers

For PSxxM units ONLY, the Standard Taper is a 3B taper. If Linear Taper is desired, use "L" taper option.



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Lever Options

Plastic Lever Types—PSxxM Only

E-Type *		B-Type		C-Type		
L	5	L	15	L	10	15
CODE	1	CODE	1	CODE	1	2

D-Type (White) or R-Type (Red)		
L	10	15
CODE	1	2

* Dust Cover option not offered for levers <10mm length

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Lever Options—continued

Metal Lever Types—PSxxM Only

D-Type				C-Type				
L	15	20	25	L	10	15	20	25
CODE	1	2	3	F	5	10	10	10
				CODE	1	2	3	4

Plastic Lever Types—PSxxL Only

L	15	19
CODE	1	2

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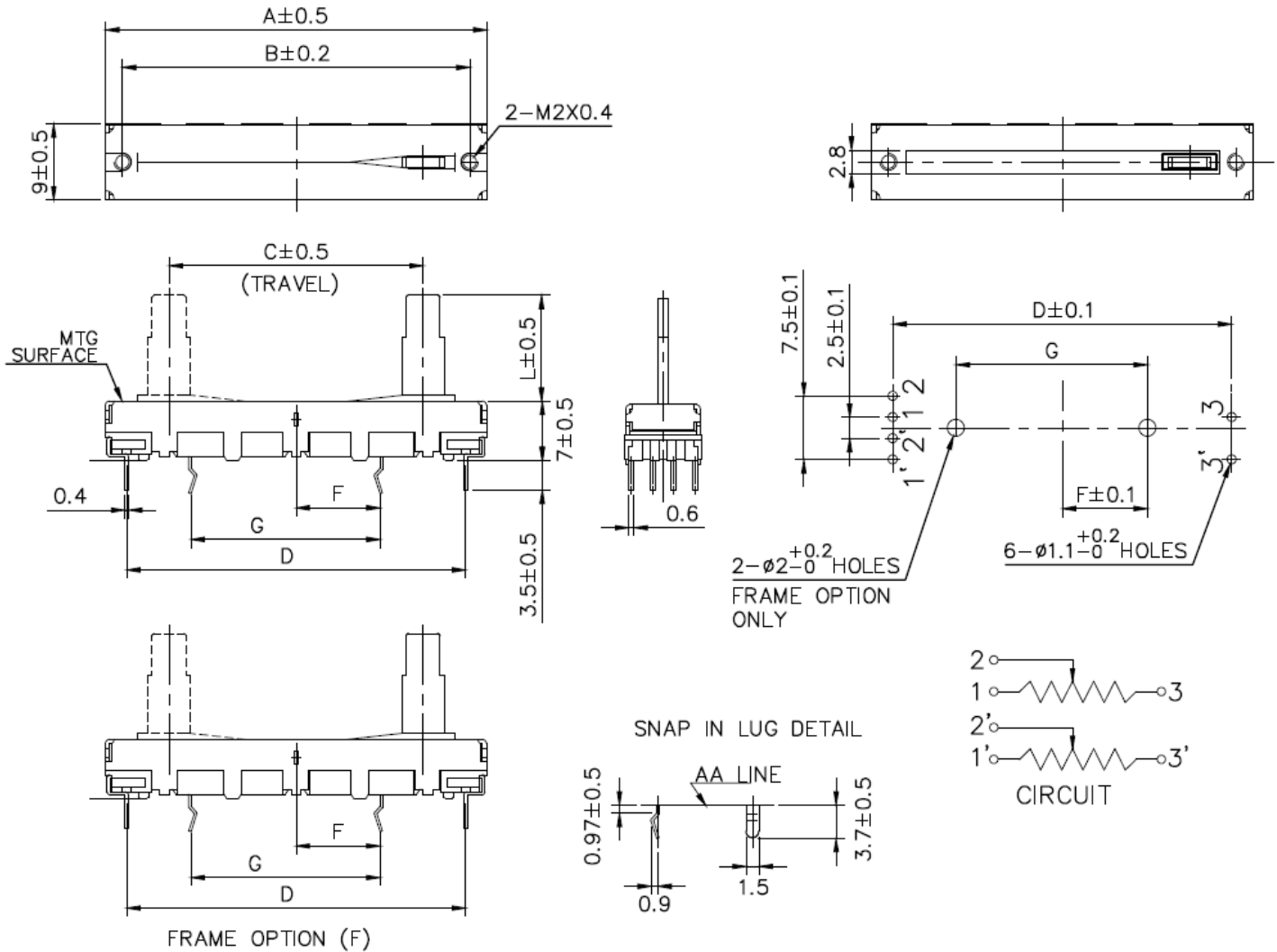
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Outline Drawing—PSxxM

With Dust Cover

Without Dust Cover



MODEL	A	B	C	D	F	G
PS20M	35	31	20	30	5	12.5
PS30M	45	41	30	40	10	22.5
PS40M	60	56	45	55	15	32.5
PS60M	75	71	60	70	22.5	47.5

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