

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

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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)

	PS 30 M - 0 P C 1 F B R 100K N	
Travel (mm) 20, 30, 45, 60		Dust Cover * Blank = Plastic N = None R = Black Felt
Detent 0 = without 1 = center		Total Resistance See Page 3
Lever Material P = Plastic M = Metal		Tapers A = Audio (15A) B = Linear (3B) C = Reverse Audio (15C) L = Linear
Lever Type See Page 5 & 6		Frame Option Blank = None F = with
Lever Length See Page 5 & 6		

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Ordering - PSxxL (with LED)

	PS	45	L	-	R	0	1	F	B	R	100K	N	
Travel (mm) 20, 30, 45, 60													Dust Cover Blank = Plastic N = None R = Black Felt
LED Color R = Red G = Orange Y = Yellow N = Green B = Blue W = White													Total Resistance See Below
Detent 0 = without 1 = center													Tapers A = Audio (15A) B = Linear (See L Taper graph) C = Reverse Audio (15C)
Lever Length 1 = 15mm 2 = 19mm													Frame Option Blank = None F = with

Standard Resistance Values, ohms

500	1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG
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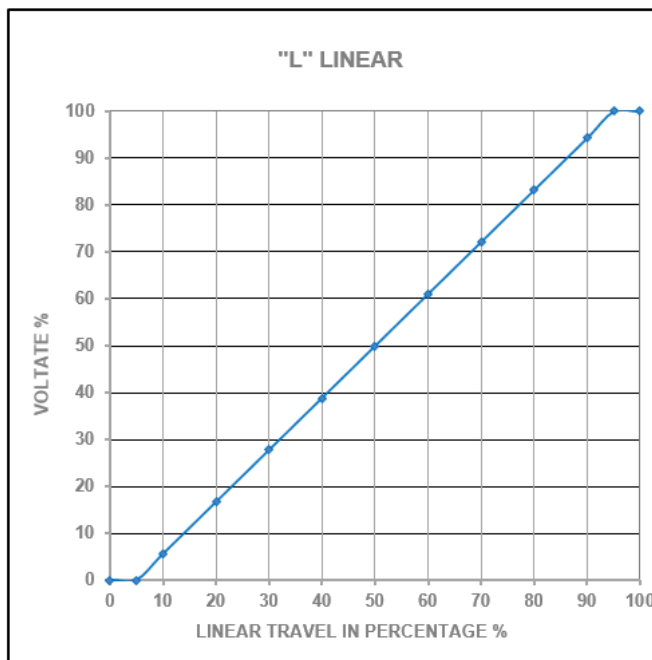
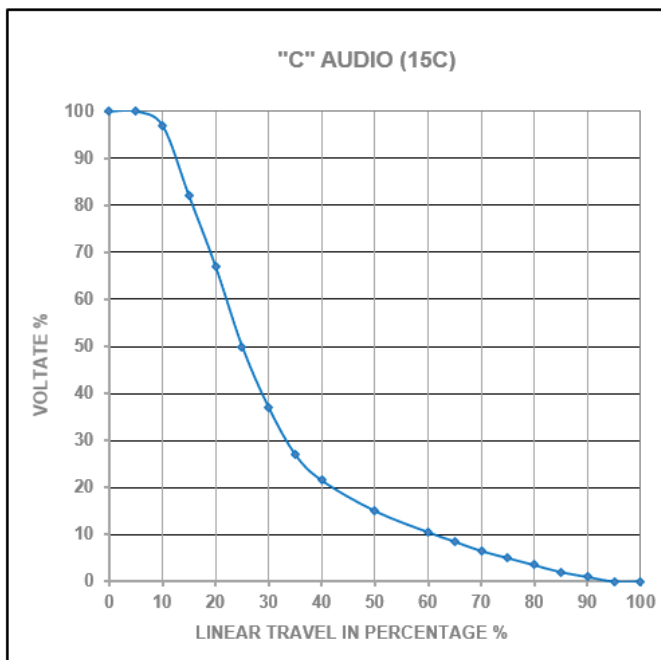
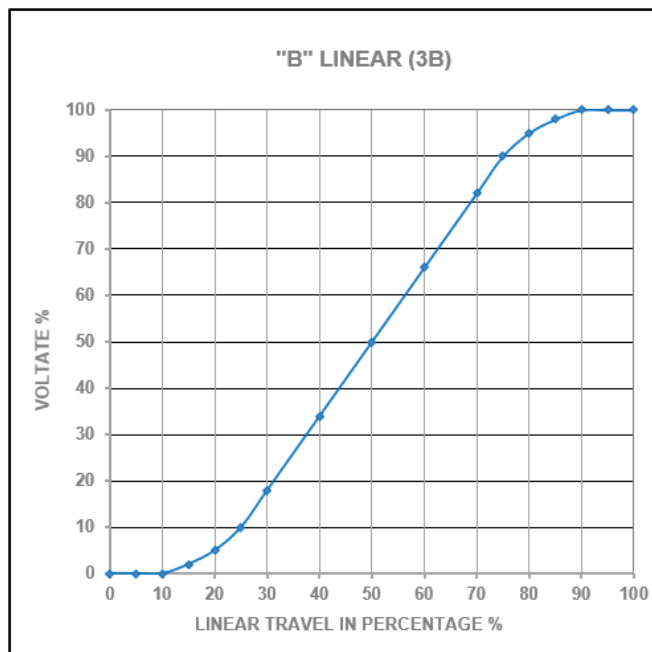
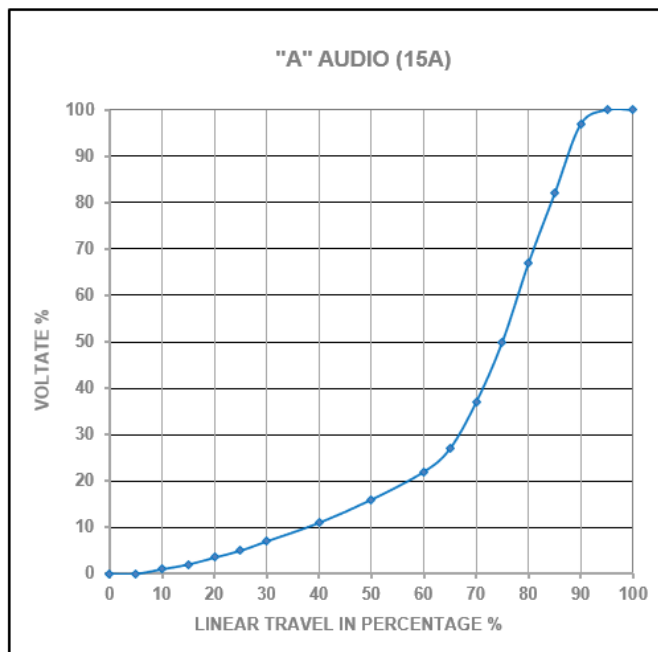
Slide Potentiometer

Model PSxxM / PSxxL



Tapers

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

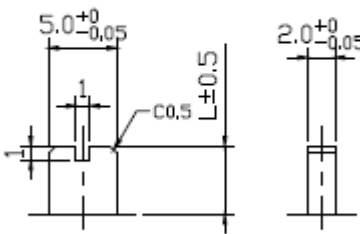
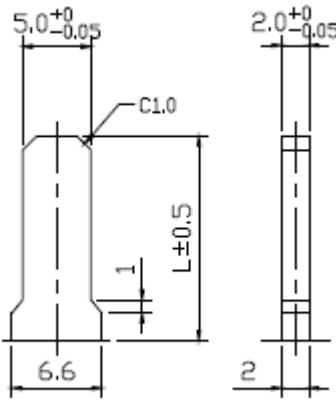
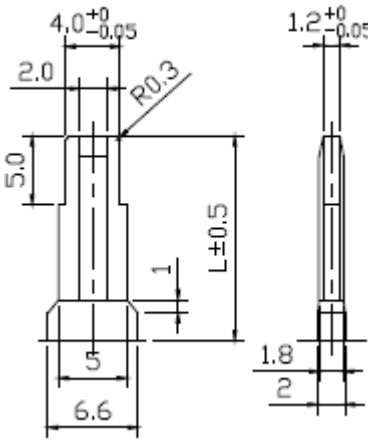


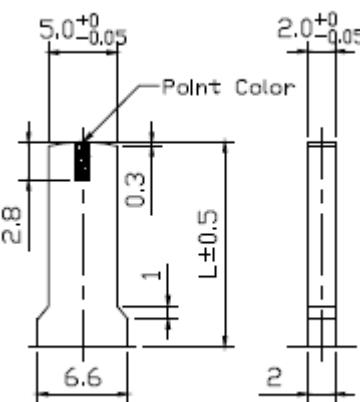
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Lever Options

Plastic Lever Types—PSxxM Only

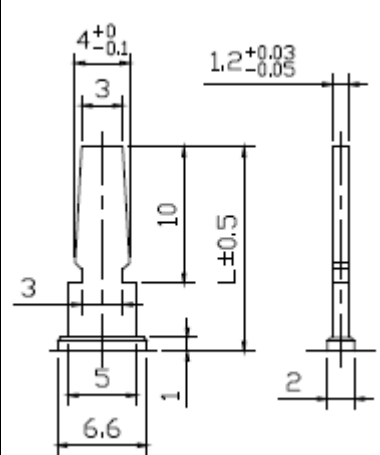
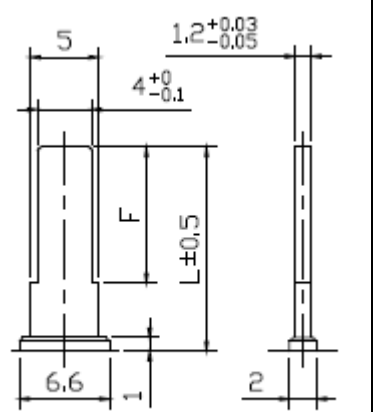
E-Type *		B-Type		C-Type		
						
L	5	L	15	L	10	15
CODE	1	CODE	1	CODE	1	2

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

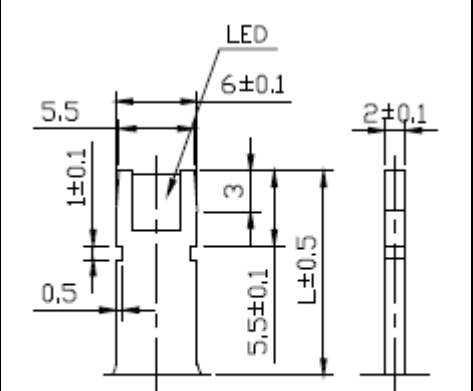
* Dust Cover option not offered for levers <10mm length

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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Slide Potentiometer

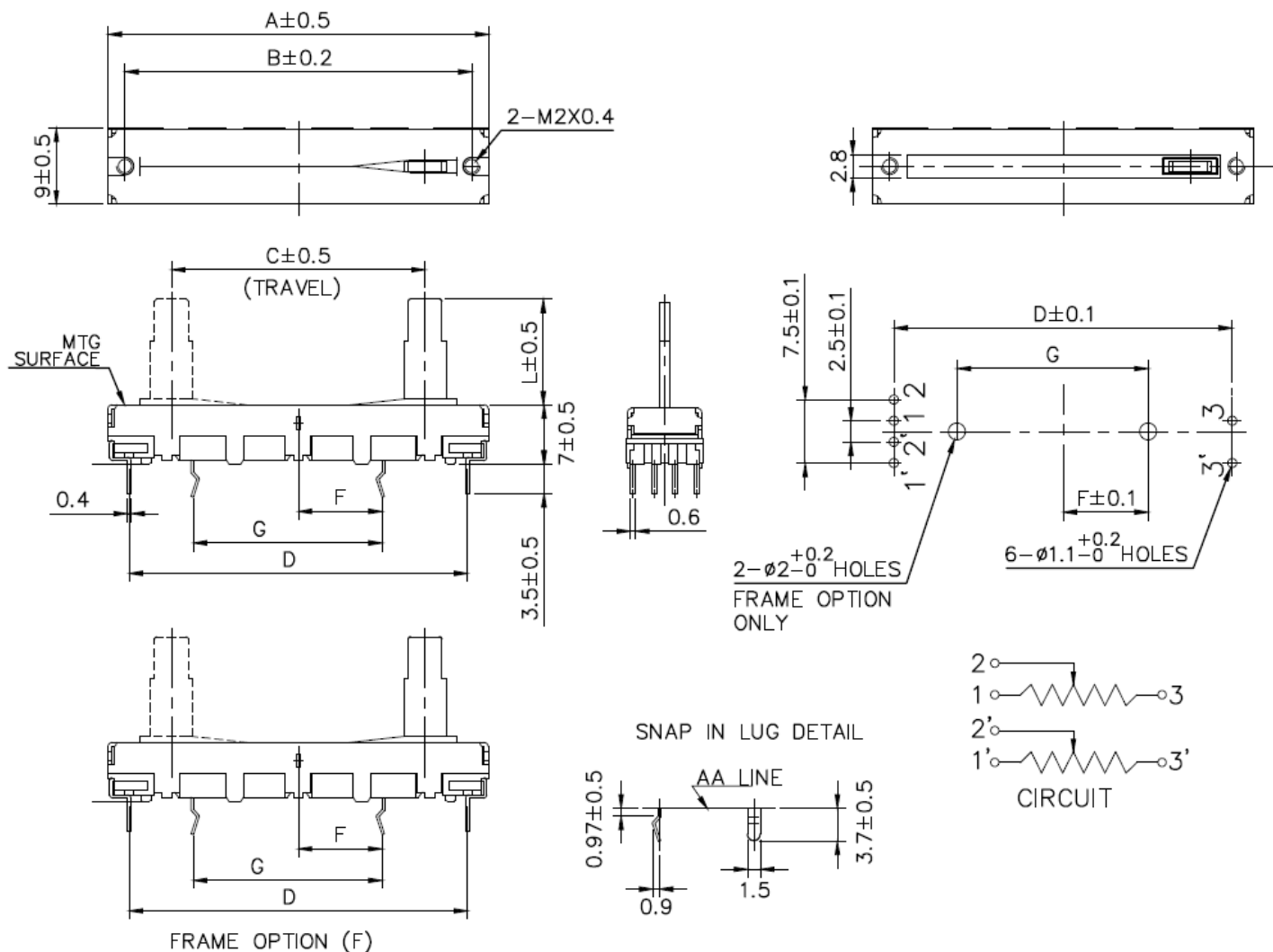
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Outline Drawing—PSxxM

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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