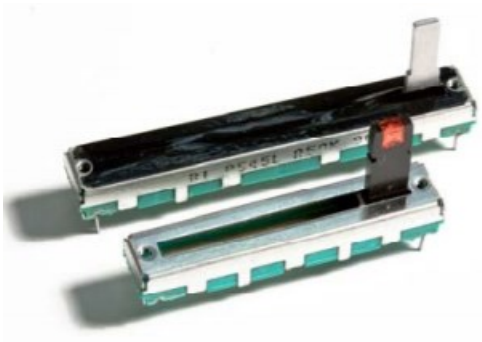
Slide Potentiometer

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, Ohms	500 -1M
Standard Resistance Tolerance	± 20%
Resistance Tapers	A,B,C
Residual Resistance	Terminals 1 to 2:Less than 10 ohms Terminals 2 to 3:Less than 30 ohms
Input Voltage, Maximum	Linear B taper: 200 Vac Other tapers: 150 Vac
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	10M ohms at 250Vdc/ 1 minute
Sliding Noise	Less than 100mV
Gang Error	±3dB (-40dB to 0dB)

Mechanical

Static Stop Strength, Minimum	5.0 Kgf/cm
Operating Force	10gf to 100gf
Detent Slip-out force	30gf to 200gf

Durability

Sliding Life	100,000 cycles

General Note
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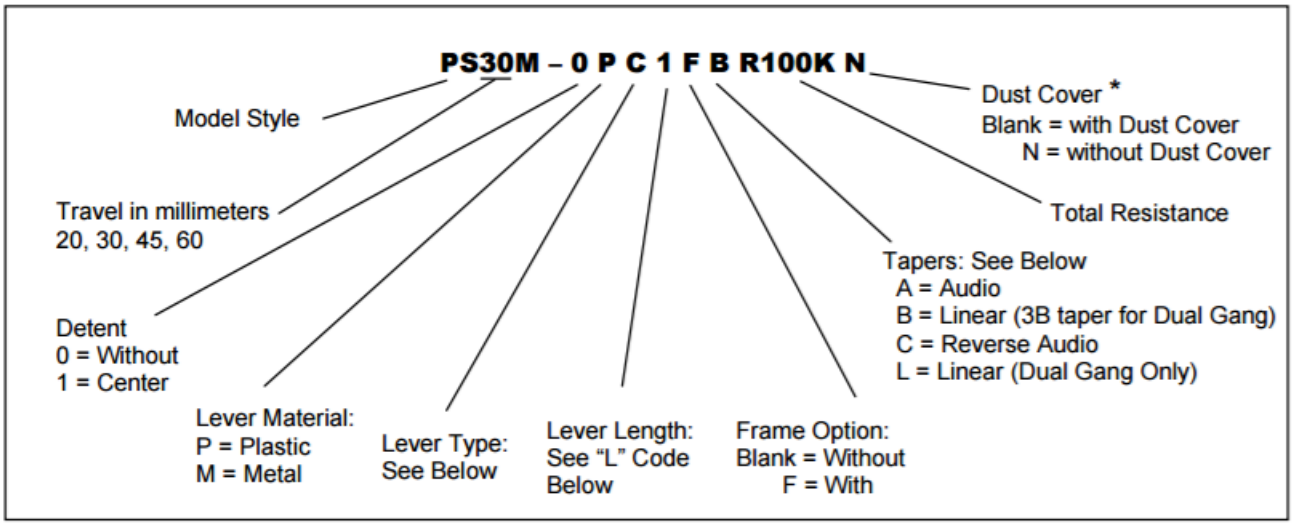
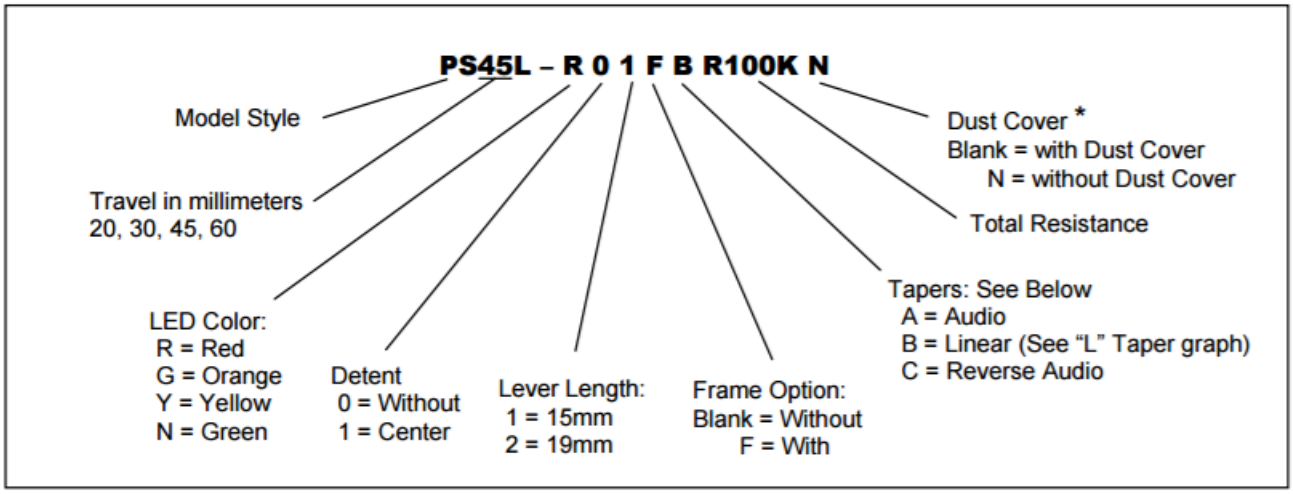
Ordering

Model PSxxM (Without LED)



Model PSxxL (With LED)



Standard Resistance Values, ohms

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

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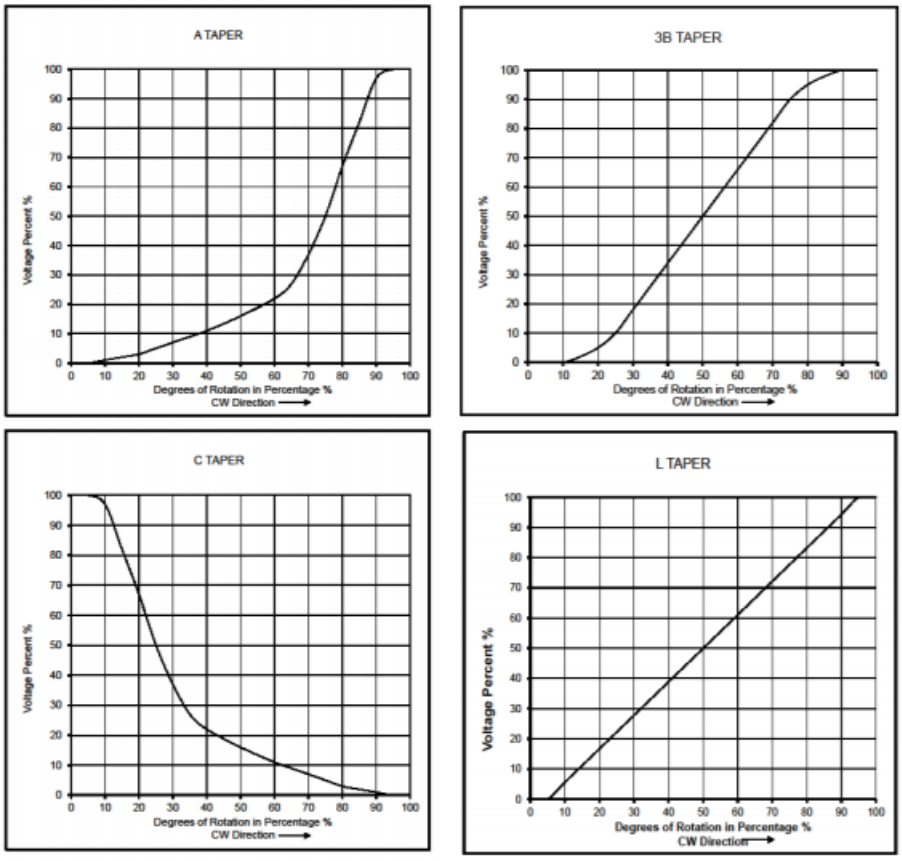
Tapers
For Dual Gang units ONLY, the Standard Taper is a 3B taper
If Linear Taper is desired, use "L" taper option



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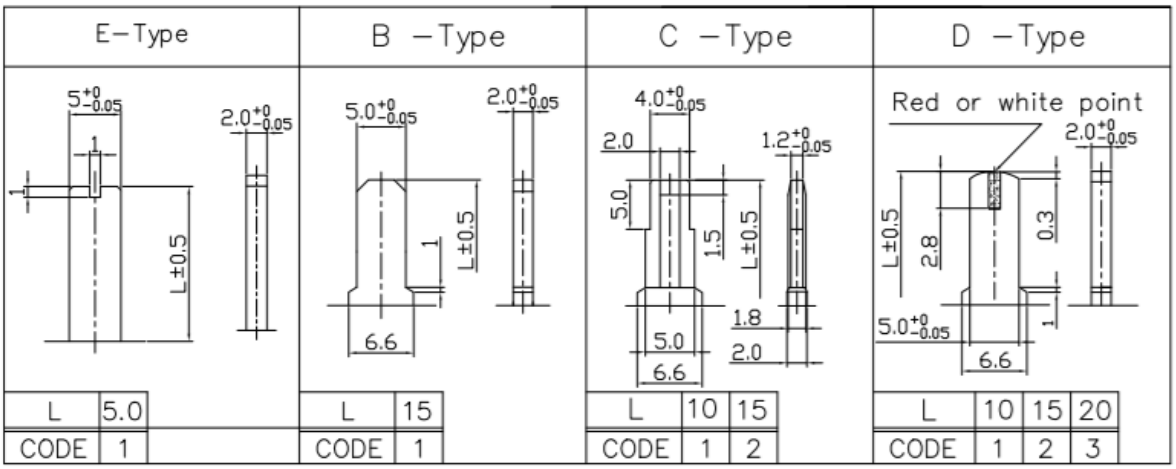
Outline Drawings

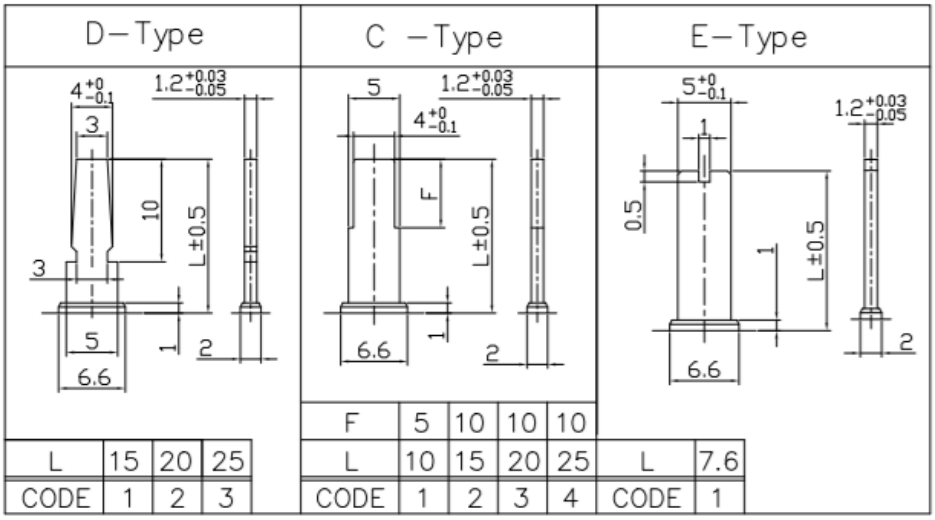
Plastic Lever Types (For PSxxM Only)



E–Type		B –Type		C –Type			D –Type			
L	5.0	L	15	L	10	15	L	10	15	20
CODE	1	CODE	1	CODE	1	2	CODE	1	2	3

Dust Cover option not offered for levers less than 10 mm in length

Metal Lever Types (For PSxxM Only)



D–Type				C –Type					E–Type	
				F	5	10	10	10		
L	15	20	25	L	10	15	20	25	L	7.6
CODE	1	2	3	CODE	1	2	3	4	CODE	1

*** Dust Cover option not offered for levers less than 10 mm in length**

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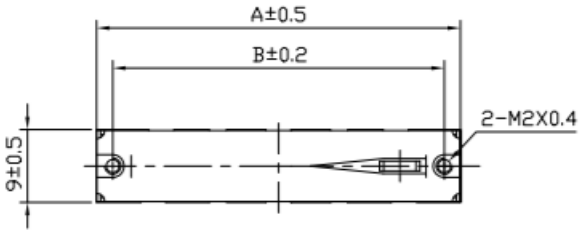
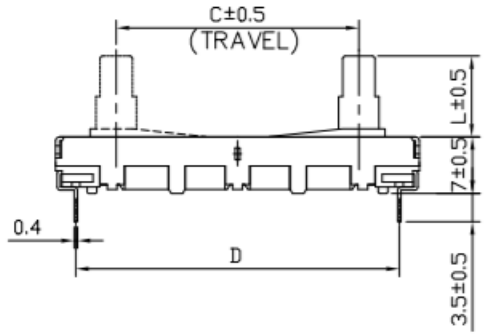
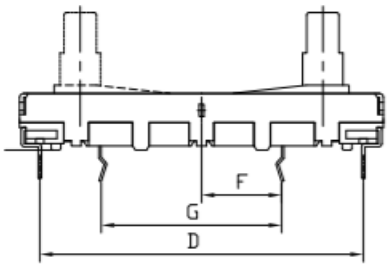
Outline Drawings

Model PSxxM (Without LED)

With Dust Cover

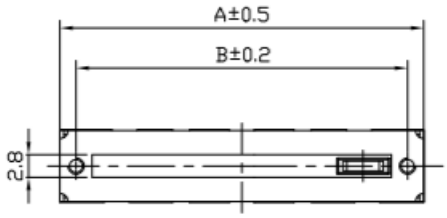


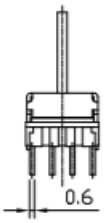


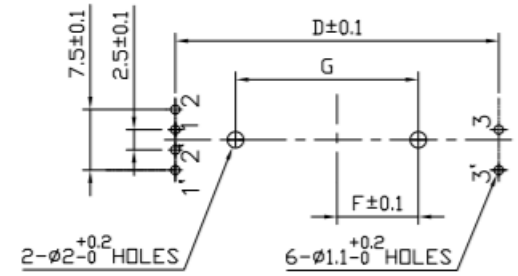


FRAME OPTION (F)

Without Dust Cover







FOR FRAME OPTION ONLY

For PSxxM and PSxxL

MODEL		A	B	C	D	F	G
PS20M	PS20L	35	31	20	30	5	12.5
PS30M	PS30L	45	41	30	40	10	22.5
PS45M	PS45L	60	56	45	55	15	32.5
PS60M	PS60L	75	71	60	70	22.5	47.5

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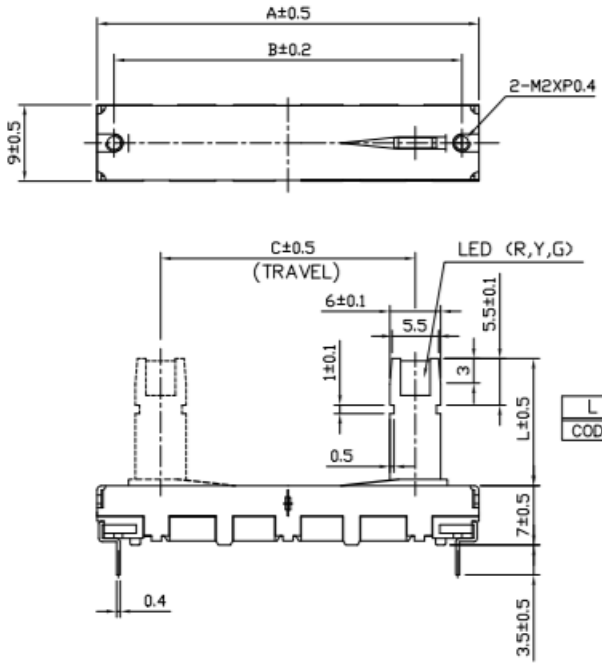
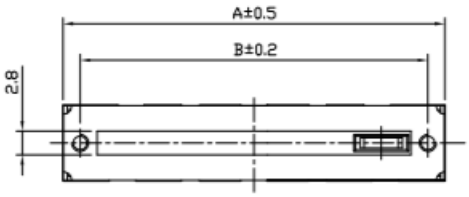
Outline Drawings

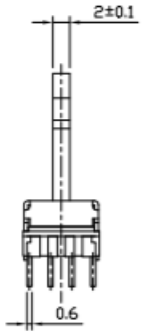
Model PSxxL (With LED)

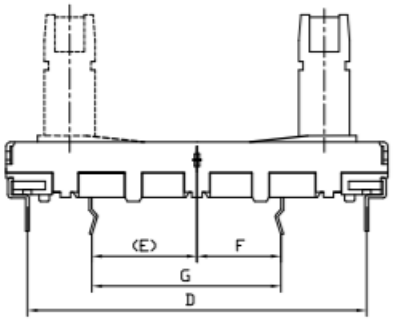
With Dust Cover



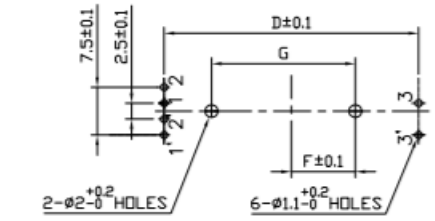
Without Dust Cover





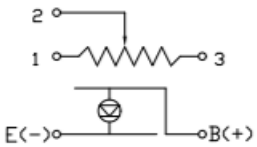


FRAME OPTION (F)



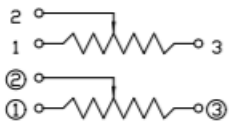
FOR FRAME OPTION ONLY

PSxxL (Single gang with LED)



CIRCUIT

PSxxM (Dual gang)



CIRCUIT

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