

MODEL PS20L, PS30L, PS45L, PS60L

Single Gang Slide Potentiometer

Molded Element

100,000 Cycle Life

LED Illumination

Metal or Plastic Shaft Options

Dust Cover Option

RoHS Compliant



For more information about this product, visit our website at: www.potentiometers.com

Model Styles

Single Gang , 20mm Travel, with LED	PS20L
Single Gang , 30mm Travel, with LED	PS30L
Single Gang , 45mm Travel, with LED	PS45L
Single Gang , 60mm Travel, with LED	PS60L

Electrical Specifications

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 Specifications

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

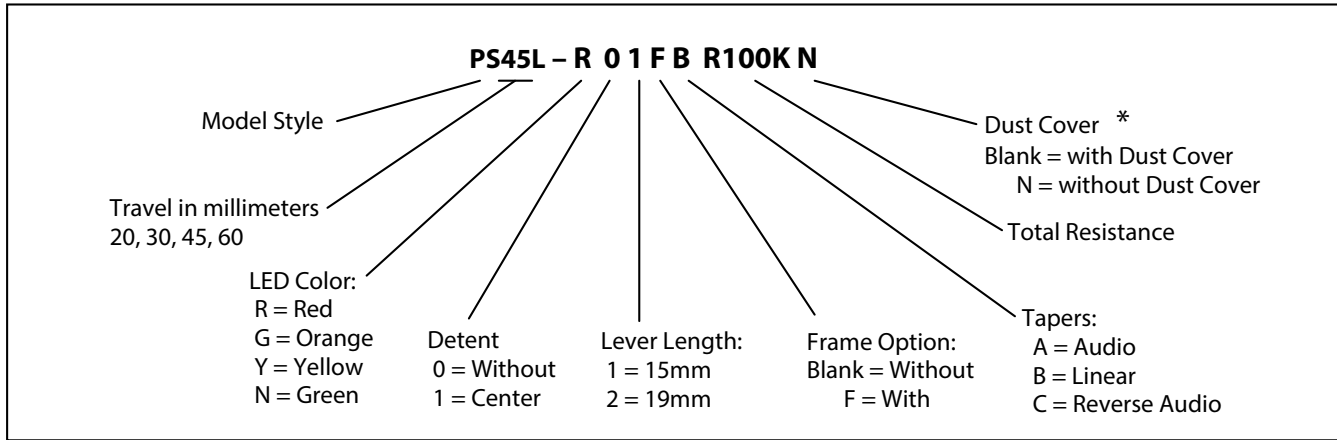
Durability

Sliding Life	100,000 cycles
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Specifications subject to change without notice.

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Ordering Information



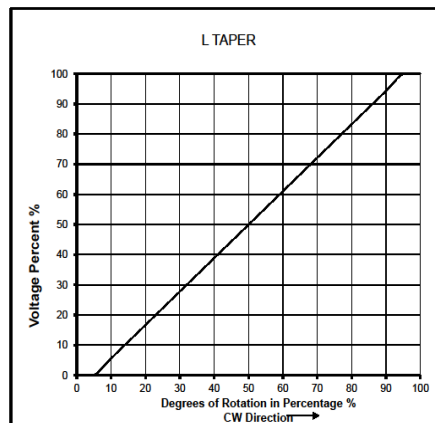
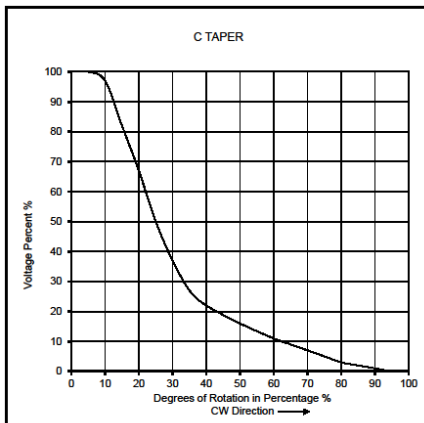
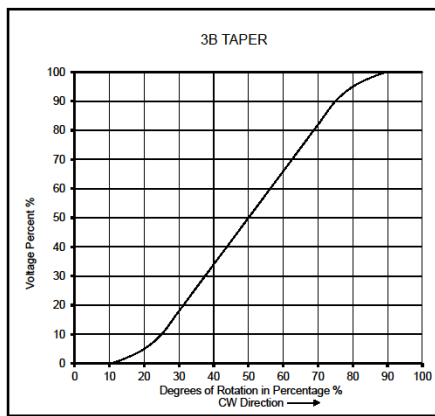
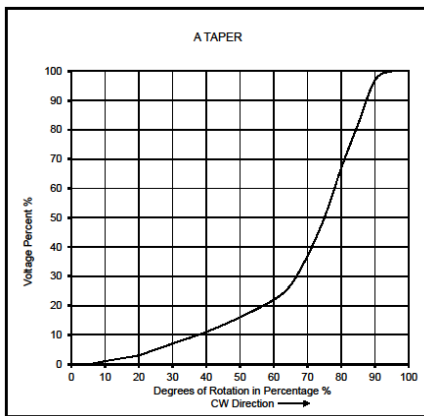
Standard Resistance Values, Ohms

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

Taper Curves

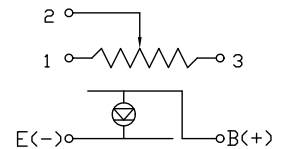
Tapers

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



Circuit Diagram

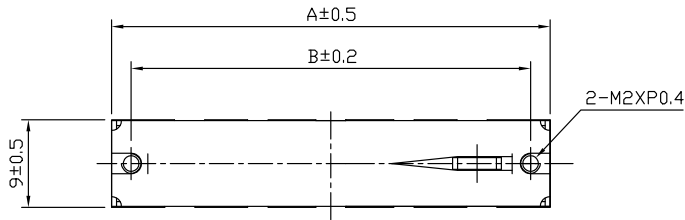
PSL (Single gang with LED)



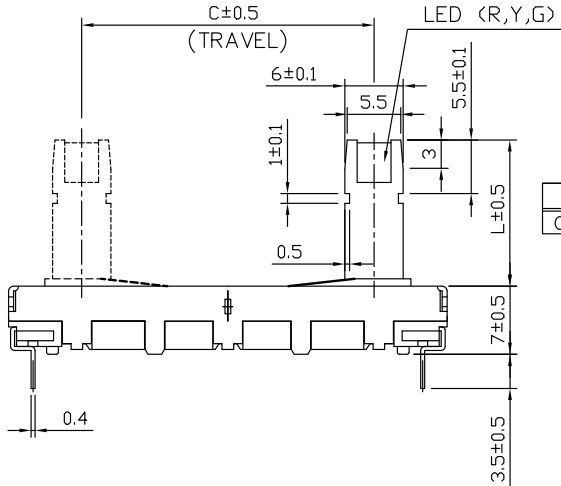
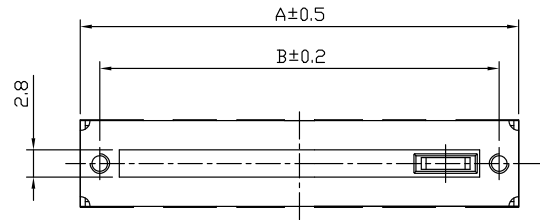
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Outline Drawing

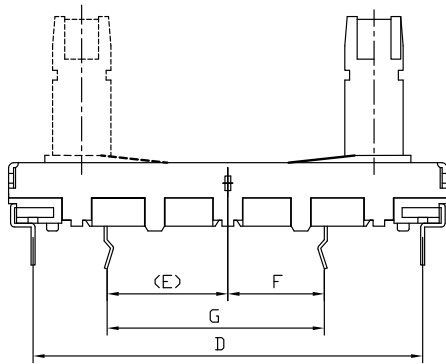
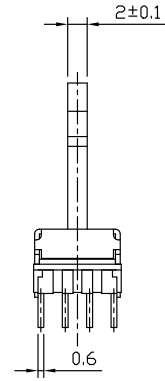
With Dust Cover



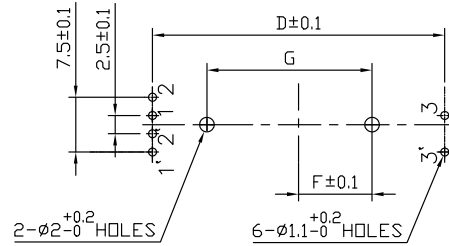
Without Dust Cover



L	15	19
CODE	1	2



FRAME OPTION (F)



FOR FRAME OPTION ONLY

Dimensions

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

For more information about this product,
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