SONG HUEI ELECTRIC CO.,LTD

Standard Type Metal and Plastic Shaft Slide Potentiometers

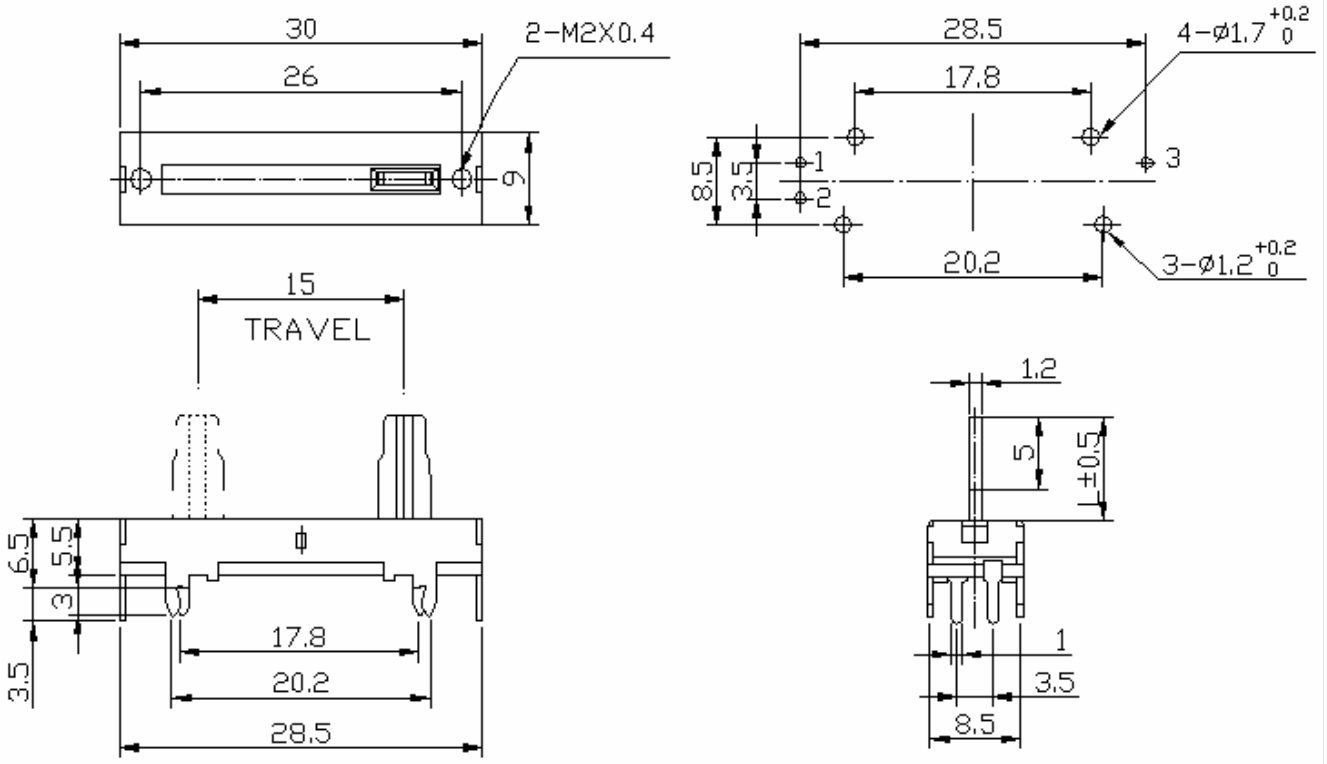
SL-1515N

Part Number

SL1515N-[B] [50K], L –[20] [C] / [M]

- B → Taper
- 50K → Resistance Value
- 20 → Shaft Length
- C → Shaft Type
- M → Lever Material

Dimensions



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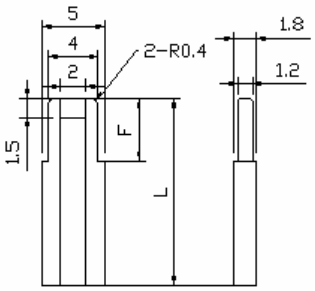
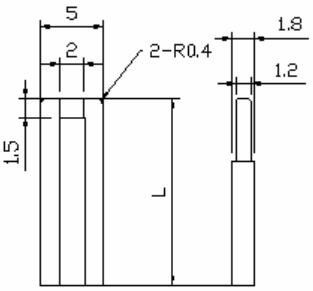
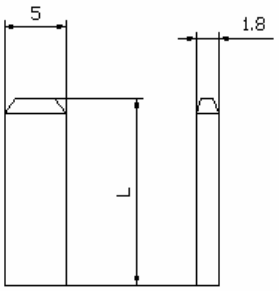
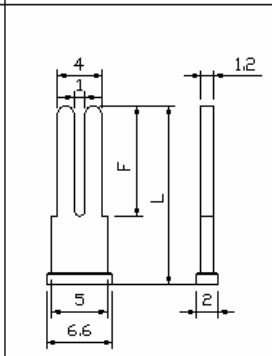
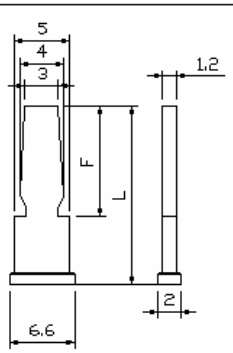
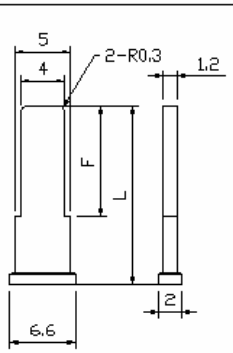
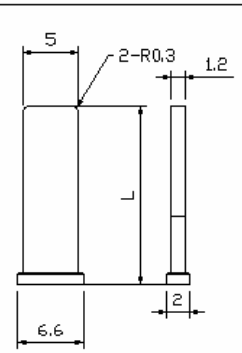
Shaft Type

Insulated Lever

MATERIAL	INSULATED LEVER																		
LEVER TYPE	C-TYPE							CA-TYPE							B-TYPE						
DIMENSIONS																					
LENGTH(L)	L	5	10	12.5	15	18	20	L	5	10					L	10					
	F	5	5	5	5	5	5														

Metal Lever

MATERIAL	METAL LEVER																							
LEVER TYPE	A-TYPE						D-TYPE						C-TYPE							B-TYPE				
DIMENSIONS																										
LENGTH(L)	L	10.4					L	10	15	20	25		L	10	15	20	25	17.3	L	10	15			
	F	7					F	7	10	10	10		F	7	10	10	10	10						

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Electrical Characteristics

Total Resistance	5KΩ~1MΩ				
Total Resistance Tolerance	± 20% (more than 1MΩ± 30%)				
Resistance Taper	A. B. C. D. W. Taper				
Resistance Taper Characteristics	A50%	B50%	C50%	D50%	W50%
	15-25%	40-60%	75-85%	2-15%	45-55%
Rated Power	B Taper: AC200V 0.2 W; Other Tapers: AC150V 0.1 W				
Residual Resistance	R ≥ 250KΩ 0.1% 250KΩ> R > 10KΩ 20ΩMax. (between Term. 1, 2) 10KΩ≥ R 20ΩMax. (between Term. 2, 3)				
Noise	100mV Max.				
Insulation Resistance	DC 250V 10MΩ				
Withstand Voltage	1 minute at AC 300V				
Sliding Life	15,000 Cycles				

Mechanical Characteristics

Overall Travel	15 mm ± 0.5 mm
Stopper Strength	5 kgf.cm max. / 3 sec. (From the base level to a point of 2mm)
Operating Force	30~200gf.cm
Click slip-out force	50gf.cm ~ 350 gf.cm
Lever Push-Pull Strength	3.0 kgf.cm max./10 sec.
Lever Wobble	2(2*L)/20 mm max. (L: lever length both side)
Bending Moment	25mN.m (250gf.cm)
Soldering Heat	300℃, 3s. (Only for Hand-Soldering)
Lever Deviation	0.5 max. (one side)