



## Non Case Slide Potentiometer

NSL□□8N



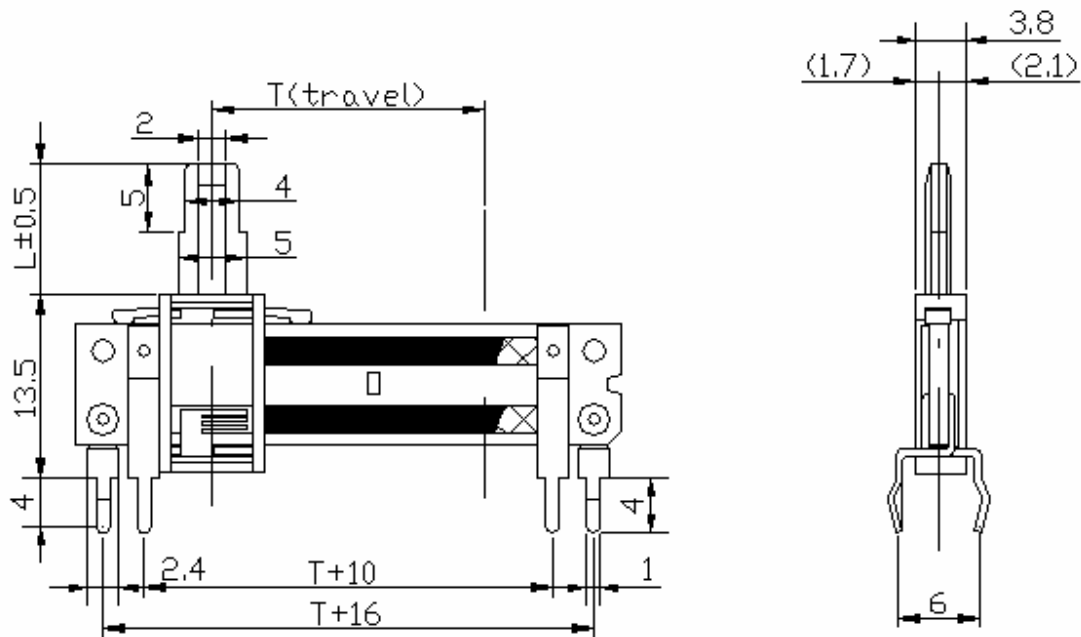
### Part Number

NSL□□8N - **B** **10K**, L - **12** **C**

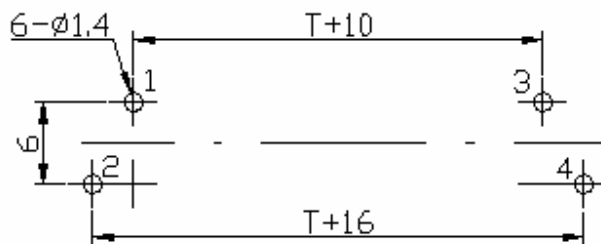
↓                      ↓                      ↓                      ↓  
Taper                  Resistance Value                  Shaft Length                  Shaft Type

Travel Length  
10/15/20/30mm

### Dimensions



### P.C.B LAYOUT



### CIRCUIT





**Non Case Slide Potentiometer**

**Shaft Type**

MODEL	NSL007, NSL008, NSL009						
LEVER TYPE	A		C			GB	
DIMENSIONS	INSULATED LEVER			INSULATED LEVER			INSULATED LEVER
LENGTH(L)	4	6	7	8.5	12	14.5	10

MODEL	NSL007, NSL008, NSL009						
LEVER TYPE	D		GD		GE		
DIMENSIONS	INSULATED LEVER			INSULATED LEVER		INSULATED LEVER	
LENGTH(L)	8.5	12	15	7		10	



## Non Case Slide Potentiometer

### Electrical Characteristics 電氣特性

Total Resistance	1K $\Omega$ ~1M $\Omega$					
Total Resistance Tolerance	$\pm 20\%$					
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 (AC) Other Taper	10~15mm	100V0.05W	20~25mm	200V0.1W	30mm	250V0.2W
	10~15mm	50V0.025W	20~25mm	150V0.05W	30mm	200V0.1W
Residual Resistance	$R \geq 250K\Omega$ 0.1% $250K\Omega > R > 10K\Omega$ 20 $\Omega$ Max. ( between Term. 1, 2) $10K\Omega \geq R$ 20 $\Omega$ Max. ( between Term. 2, 3)					
Gang Error	-40~0db $\leq$ 3db					
Noise	100mV Max. at 20mm/sec.					
Insulation Resistance	DC 250V 10M $\Omega$					
Withstand Voltage	1 minute at AC 250V					
Sliding Life	10,000 Cycles					

### Mechanical Characteristics

Overall Travel	10 / 15 / 20 / 30mm $\pm 0.5$ mm
Stopper Strength	3 kgf.cm max. / 3 sec.
Operating Force and Click slip-out force	0.1~2N (10 ~ 200 gf.cm) 1~3N (100 ~ 300 gf)
Level Push-Pull Strength	30N(3.0 kgf.cm max./ 5 sec.)
Level Wobble	2( 2*L)/20 mm max. (L: lever length both side)
Bending Moment	25mN.m (250gf.cm)
Lever Deviation	0.5 max. (one side)
Soldering Heat	300 $^{\circ}$ C, 3s. (Only for Hand-Soldering)
Remark	Black Shaft Carbon thickness: 15-20 $\mu$ Sliver thickness: 10-15 $\mu$