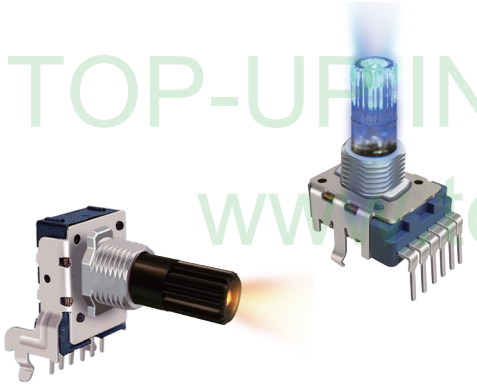
12mm Size Series Potentiometer

Insert LED Shaft Type

TOP-UP



▲FEATURE

・Outset molding with resin around the resistor prevents flux build-up.
・Red、green、blue and orange LED colors are available.

▲APPLICATIONS

・ Ideal for volume, tone and balance control of car audio equipment.

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Common Specifications

Characteristics	Specification
Total resistance (KΩ)	5, 10, 20, 50, 100, 250
Total resistance tolerance	±20%
Resistance taper	A, B, C, D, E, K, W
Rated power	0.05W
Maximum operating	50V AC 10V DC
Total rotational angle	300±5°
Rotational torque	30~250gf.cm Max
Rotation stopper strength	5Kgf.cm
Push pull strength	8Kgf Max
Insulation resistance	100mΩ min. 250V DC
Withstand voltage	1 minute 300V AC
Rotation life (cycle)	15,000 cycles

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12PL Series Code Explanation

12PL □□ 1 H 5B F - B - 20 K - B 50K - □□□

1 2 3 4 5 6 7 8 9 10 11 12

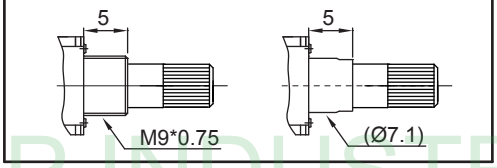
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1. Product Lines of 12PL (12mm Insert LEDType)
2. With LED

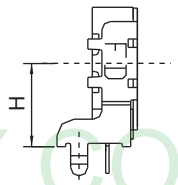
Single Color	Code	B	R	O	D	L	W
	Color	Blue	Red	Orange	Dark Orange	Lawngreen	White
Dual Color	Code	BO		RL		BL	
	Color	Blue / Orange		Red / Lawngreen		Blue / Lawngreen	

3. Number of Unit : 1 - Single Unit
4. Horizontal(H) Type or Vertical(V) Type
5. With Bushing :

5B



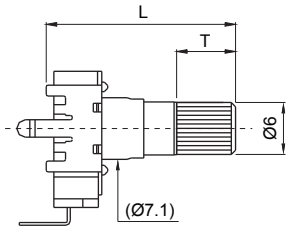
Horizontal Frame



Code	F	FA
H	10	12.5

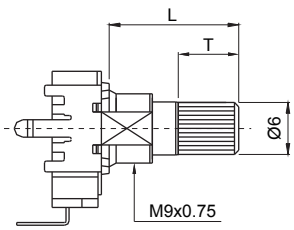
6. With Frame : F - 10mm , FA - 12.5mm
7. Type of Terminal : B - P.C.B Type
8. Shaft Length

K - Shaft



L	22.5
T	7

K - Shaft With Bushing



L	15
T	7

9. Type of Shaft : K - Knurl Shaft , KT - Knurl Transparent Shaft
10. Type of Taper
11. Resistance Value
12. Serial No.

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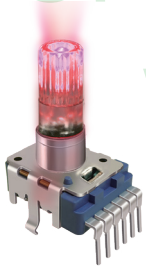
12mm Size Series Potentiometer

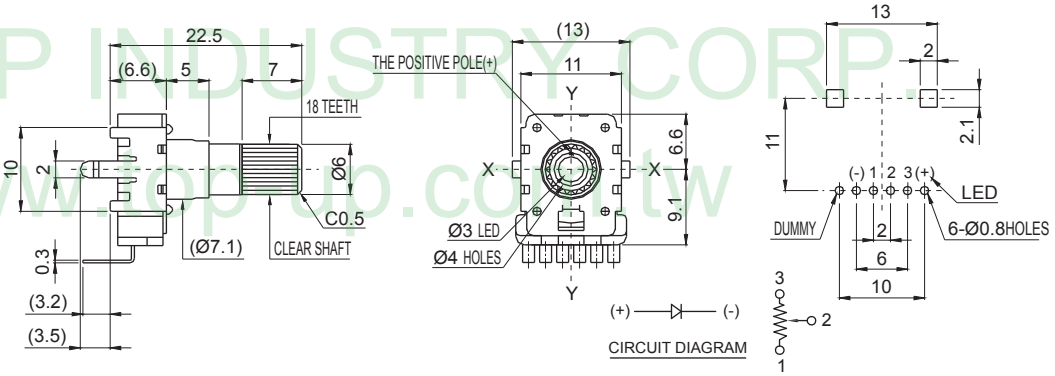
Insert LED Shaft Type

TOP-UP

12PL□1VFA-D-□KT

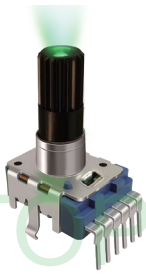
Single Color LED
Single unit, Clear shaft

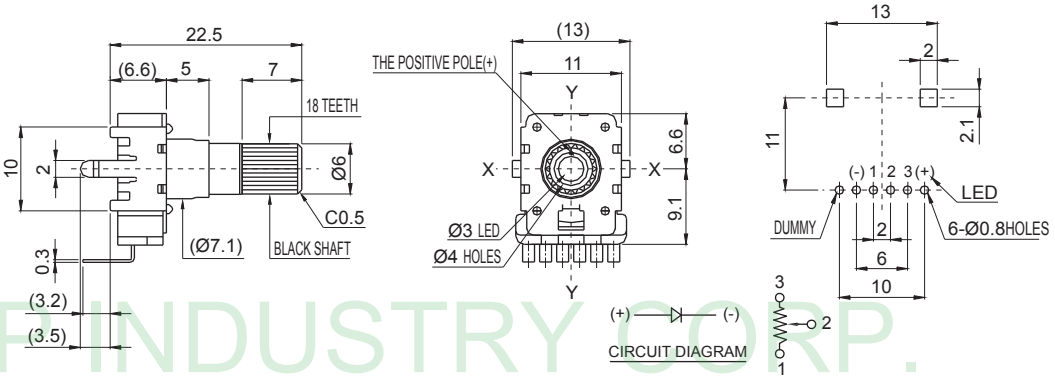




12PL□1VFA-D-□K

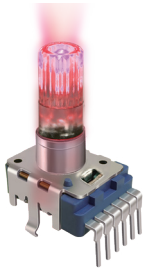
Single Color LED
Single unit, Black shaft

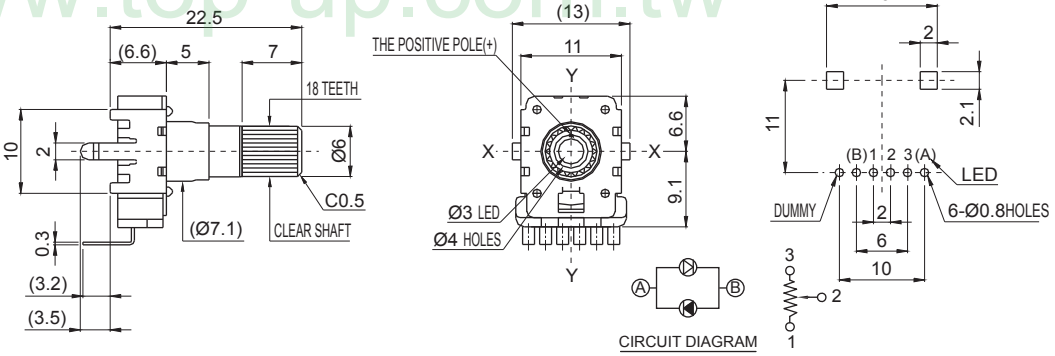




12PL□□1VFA-D-□KT

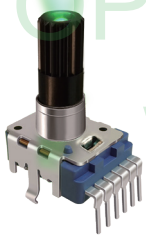
Dual Color LED
Single unit, Clear shaft

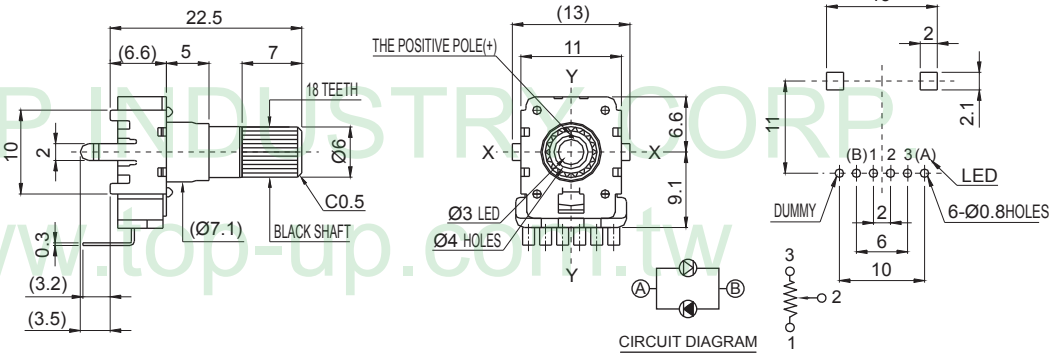




12PL□□1VFA-D-□K

Dual Color LED
Single unit, Black shaft





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12mm Size Series Potentiometer

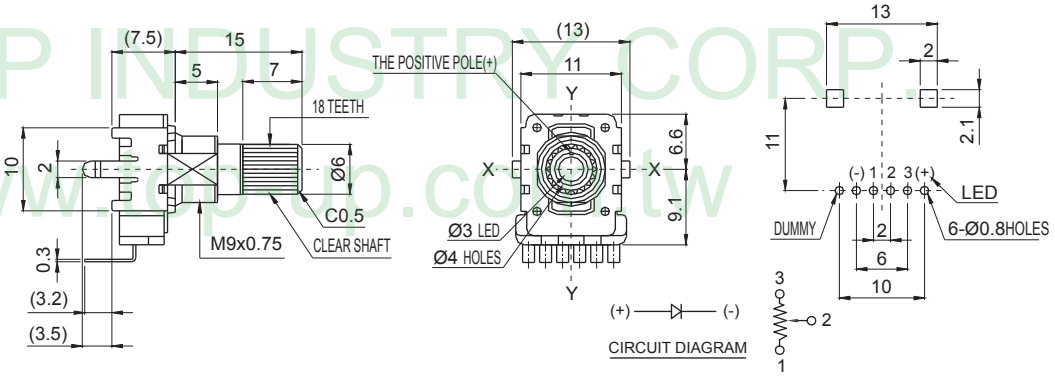
Insert LED Shaft Type

TOP-UP

12PL□1V5BF-D-□KT

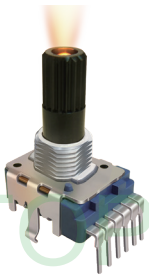
Single Color LED
Single unit, Clear shaft

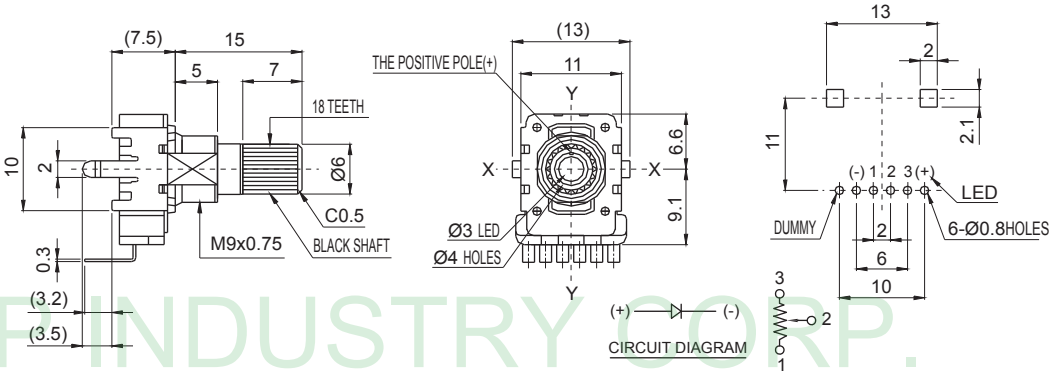




12PL□1V5BF-D-□K

Single Color LED
Single unit, Black shaft

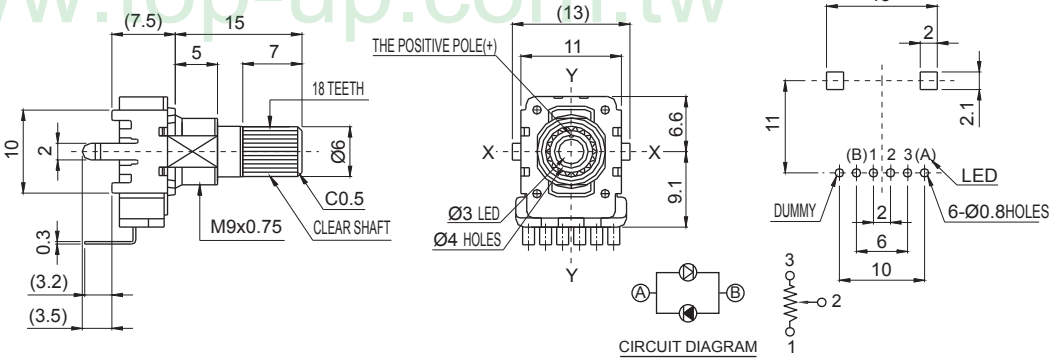




12PL□□1V5BF-D-□KT

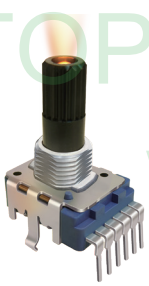
Dual Color LED
Single unit, Clear shaft

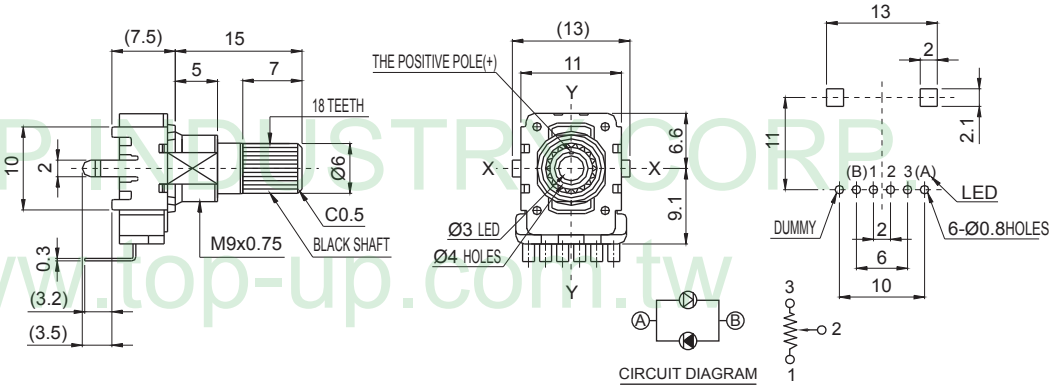




12PL□□1V5BF-D-□K

Dual Color LED
Single unit, Black shaft





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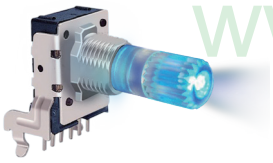
12mm Size Series Potentiometer

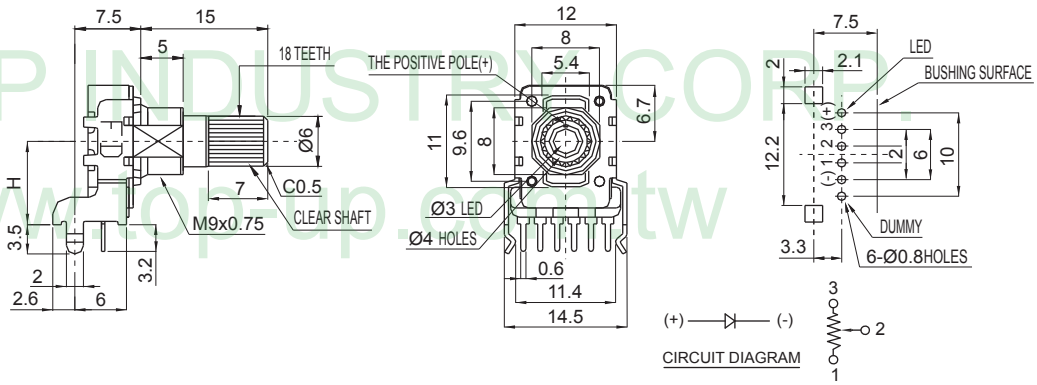
Insert LED Shaft Type

TOP-UP

12PL□1H5BF-D-□KT

Single Color LED
Single unit, Clear shaft

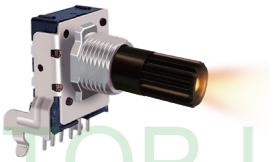


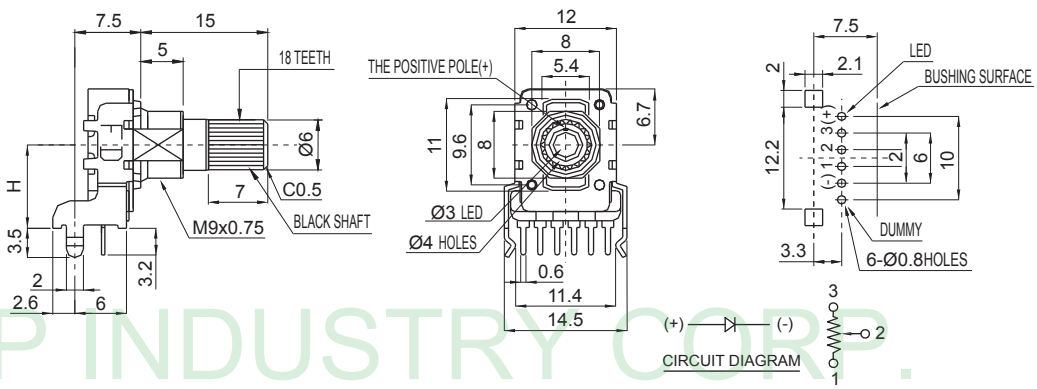


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12PL□1H5BF-D-□K

Single Color LED
Single unit, Black shaft

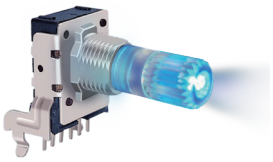


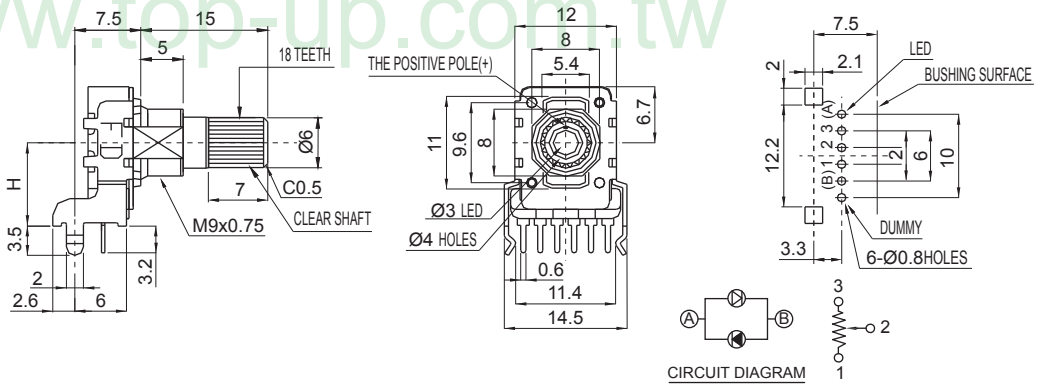


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12PL□□1H5BF-D-□KT

Dual Color LED
Single unit, Clear shaft

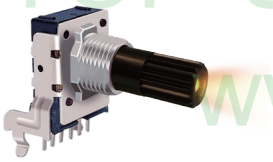


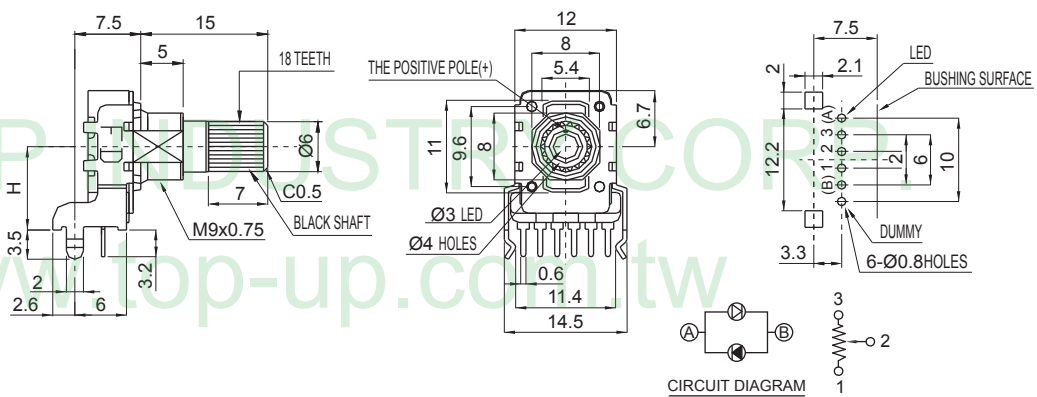


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12PL□□1B5BF-D-□K

Dual Color LED
Single unit, Black shaft





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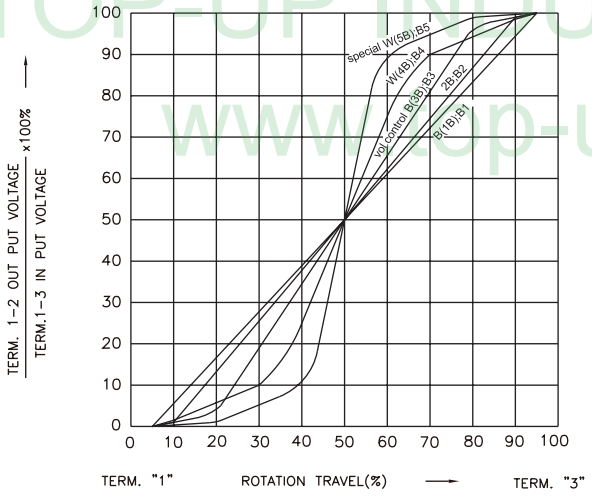
12mm Size Series Potentiometer

Insert LED Shaft Type

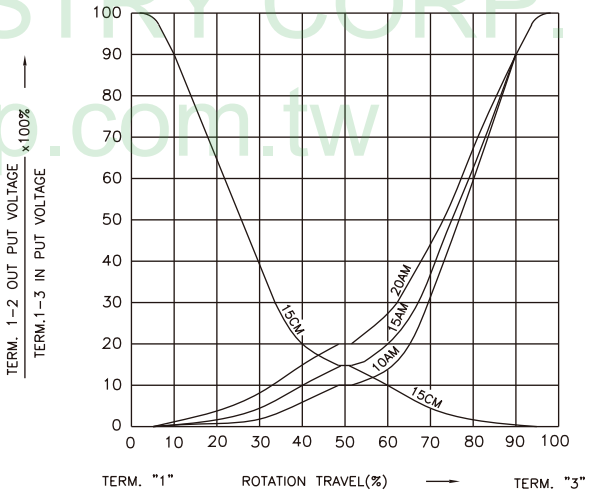
TOP-UP

Taper

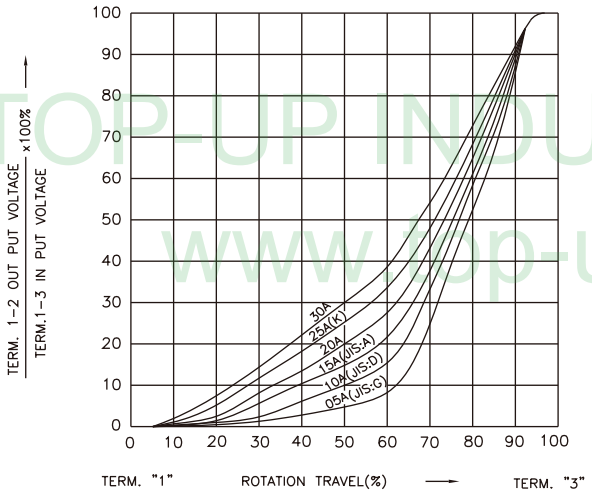
TAPERS B SERIES



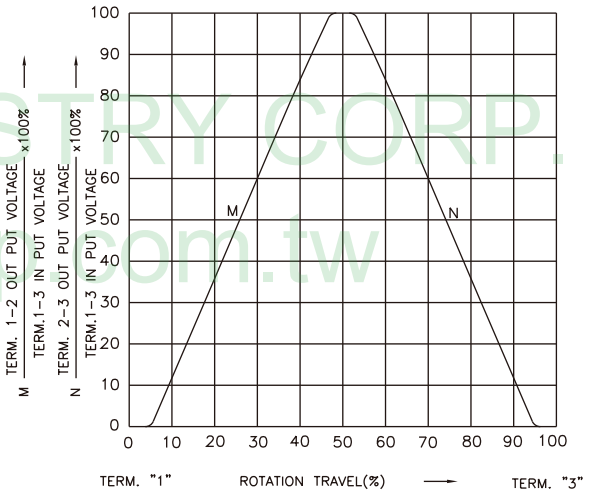
TAPERS A & C WITH 50% TAP



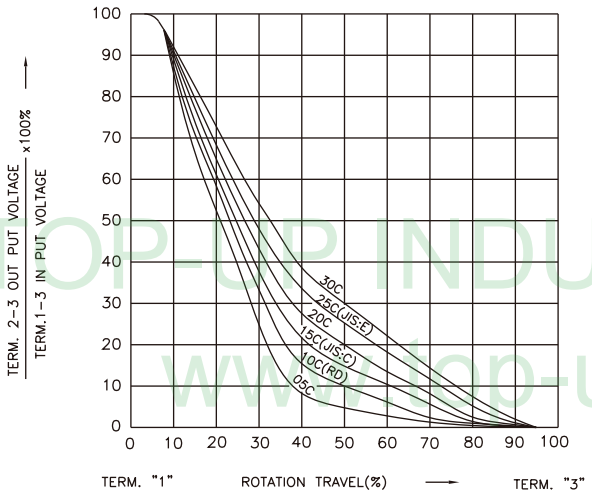
TAPERS A SERIES



TAPER M & N



TAPERS C SERIES



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12mm Size Series Potentiometer

Insert LED Shaft Type

TOP-UP

LED Specifications

Single color LED	Dual colors LED
	
Blue	Blue / Orange
Red	Red / Lawngreen
Dark orange	Blue / Lawngreen
Lawngreen	
Orange	
White	—

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Soldering condition

▲Manual Soldering
- Bit temperature of soldering : 350°C or less.
- Application time of soldering : within 3s.

▲Dip soldering

Preheating :
- Surface temperature of board : 100°C or less.
- Preheating time : within 2 min.

Soldering :
- Solder temperature : 260±5°C
- Immersion time : 5±1 sec.

*Apply the above soldering process for 1 or 2 times.

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