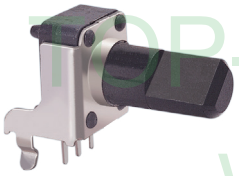
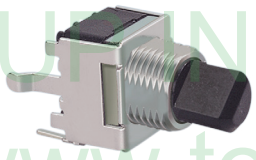
9mm Size Series Potentiometer

Snap-in Insulated Shaft Type

TOP-UP



▲FEATURE

- Insert-molding with resin applied around the resistor Assures high flux resistance.
- Available with a wide choice of shafts.
- Units can be provided with bushing and detent.
- Dust-proof construction without any opening part.
- 9.8mm outline size is ideal for high-density set design.

▲APPLICATIONS

- TV sets, VCRs, radios, etc

TOP-UP INDUSTRY CORP.
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Common Specifications

Characteristics	Specification		
	Single-unit		Dual-unit
Total resistance (KΩ)	5, 10, 20, 50, 100, 250, 500		5, 10, 20, 50, 100, 250, 500
Total resistance tolerance	±20%		±30%
Resistance taper	A, B, C, D, E, K, W		A, B, C, D
Rated power	0.05W		0.03W
Maximum operating	50V AC 20V DC		50V AC For AC only
Total rotational angle	280±5°	300±5°	280±5°
Rotational torque	10~80gf.cm		
Rotation life (cycle)	5,000 cycles		10,000 cycles

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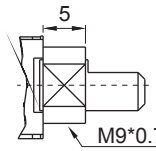
TOP-UP

9P Series Code Explanation

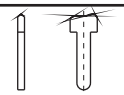
9PA	1	H	B	-	B	X	-	20	F	□	-	A	10K	-	1C	-	□	-	□□□
1	2	3	4		5	6		7	8	9		10	11		12		13		14

TOP-UP INDUSTRY CORP.
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1. Product Lines of 9P (Snap-in Insulated Shaft , 9mm Size): PA, PB, PC
   Please refer to the Frame Code (LB) shown as Drawing 2
2. Number of Unit : 1 - Single Unit , 2 - Dual Unit
3. Horizontal(H) Type or Vertical(V) Type
4. With Bushing - B
   Without Bushing - Blank
   Plastic Bushing - BP

B (Standard)


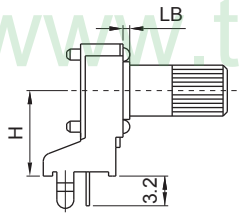
5. Type of Terminal

Horizontal B (P.C.B Type)		Vertical D (P.C.B Type)	

6. Mounting Height (H)

Single Unit (Without bushing)

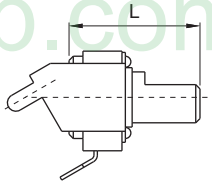
Horizontal



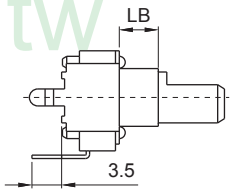
LB	0.8	1.6	5.0
Code	PC	PB	PA

H	6.5	10	12.5
Code	W	X	Y

Vertical



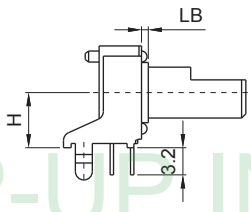
LB	/
Code	PN



LB	4.5	0.8	1.6	5.0
Code	PD	PC	PB	PA

Dual Unit (Without bushing)

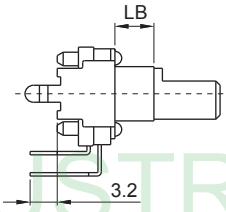
Horizontal



LB	4.5	0.8	1.6	5.0
Code	PD	PC	PB	PA

H	6.5	10	12.5
Code	W	X	Y

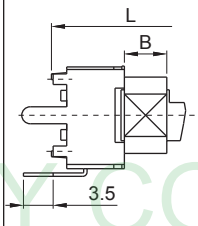
Vertical



LB	4.5	0.8	1.6	5.0
Code	PD	PC	PB	PA

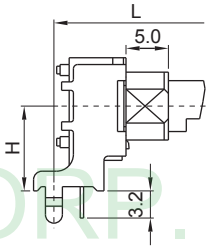
Single Unit(With bushing)

Vertical



B	5.0

Horizontal



H	6.5	10	12.5
Code	W	X	Y

Remark: If the terminal is different from standard type, special code will be advised on request.

9P Series Code Explanation

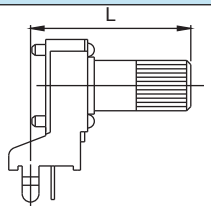
9PA	1	H	B	-	B	X	-	20	F	□	-	A	10K	-	1C	-	□	-	□□□
1	2	3	4		5	6		7	8	9		10	11		12		13		14

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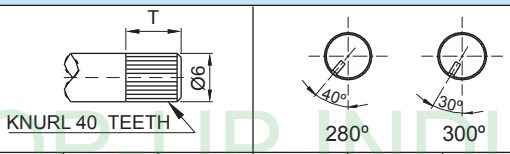
7. Shaft Length "L"
8. Type of Shaft
9. Color of Shaft : Black - Blank , Transparent - T

Single Unit

Horizontal

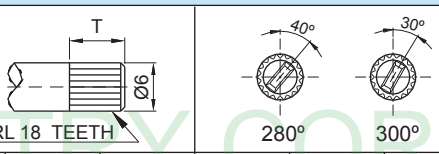


K - Type



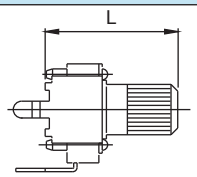
L	15	20	25	30	35
T	6	7	7	7	7
Shaft Color		Black - Blank		Transparent - T	

KY - Type

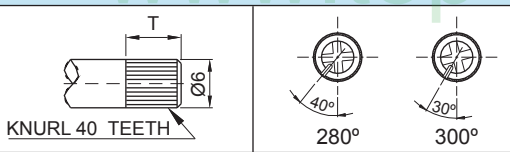


L	20	25	—	—	—
T	7	7	—	—	—
Shaft Color	Black - Blank		Transparent - T		

Vertical

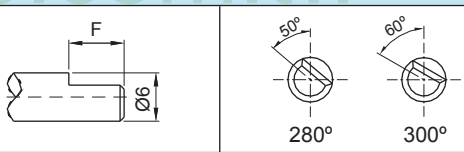


KX - Type



L	9.5	15	20	25	—
T	—	6	7	7	—
Shaft Color		Black - Blank		Transparent - T	

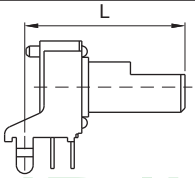
F - Type



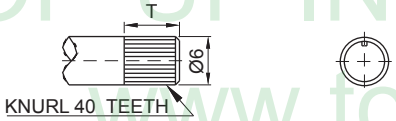
L	15	20	25	30	—
F	6	7	12	12	—
Shaft Color		Black - Blank		Transparent - T	

Dual Unit

Horizontal

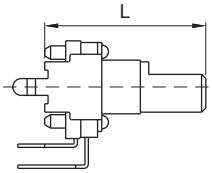


K - Type

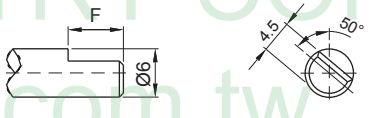


L	15	20	25	30	—
T	6	7	7	7	—
Shaft Color		Black - Blank		Transparent - T	

Vertical



F - Type



L	15	20	25	30	—
F	6	7	12	12	—
Shaft Color		Black - Blank		Transparent - T	

9P Series Code Explanation

9PA	1	H	B	-	B	X	-	20	F	□	-	A	10K	-	1C	-	□	-	□□□
1	2	3	4		5	6		7	8	9		10	11		12		13		14

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10. Type of Taper
11. Resistance Value
12. Number of Clicks : Blank - None, 1C - Center Click
13. Total Rotational Angle :
    Blank - 280°
    1 - 270°
    2 - 300°
    3 - 360°
14. Serial No.

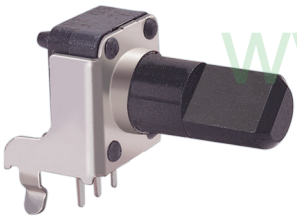
TOP-UP INDUSTRY CORP.
www.top-up.com.tw
TOP-UP INDUSTRY CORP.
www.top-up.com.tw

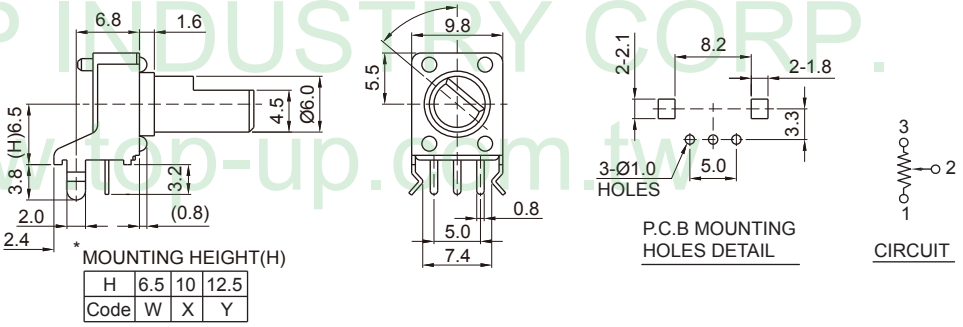
9mm Size Series Potentiometer

Snap-in Insulated Shaft Type

TOP-UP

9PB1H-BW
Single Unit
Horizontal Type

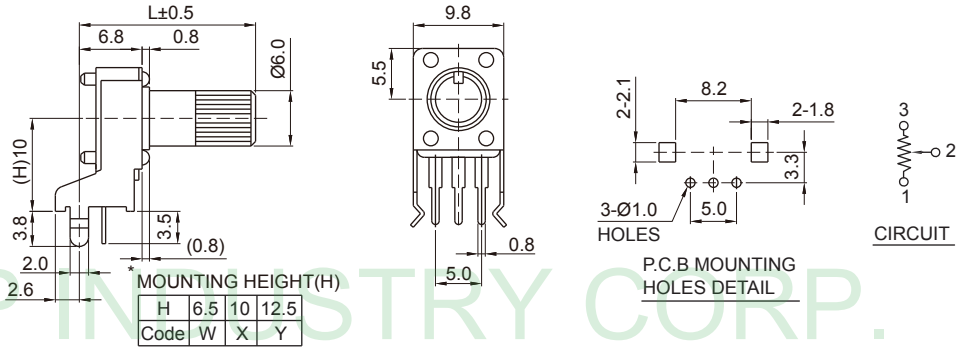




H	6.5	10	12.5
Code	W	X	Y

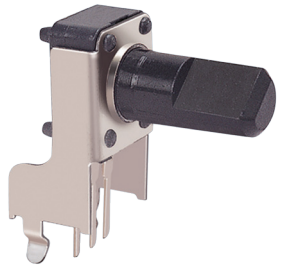
9PC1H-BX
Single Unit
Horizontal Type

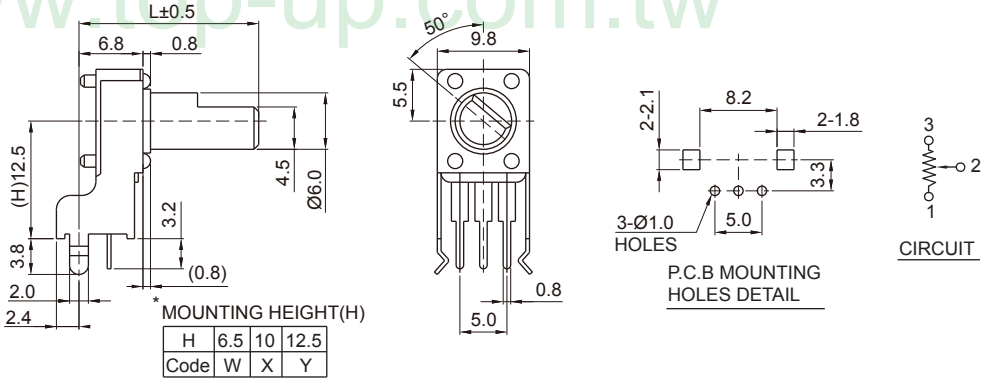




H	6.5	10	12.5
Code	W	X	Y

9PC1H-BY
Single Unit
Horizontal Type

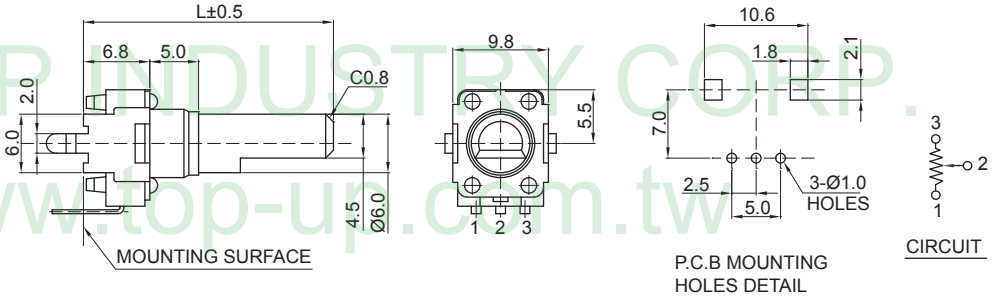




H	6.5	10	12.5
Code	W	X	Y

9PA1V-D-□FT
Single Unit / Transparent shaft
Vertical Type





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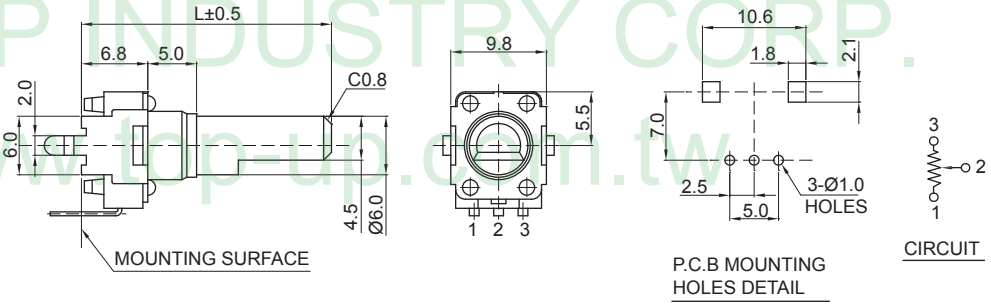
9mm Size Series Potentiometer

Snap-in Insulated Shaft Type

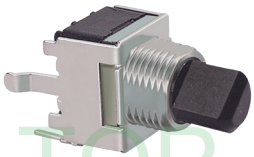
TOP-UP

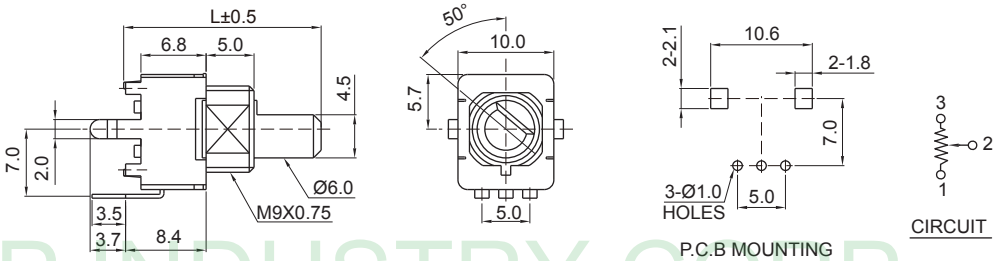
9PA1V-D
Single Unit
Vertical Type



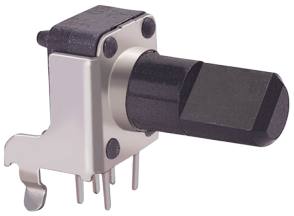


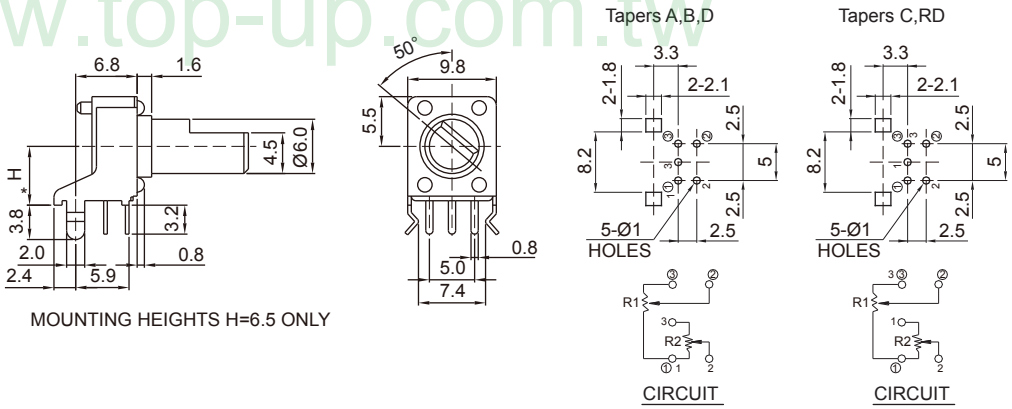
9P1VB-D
Single Unit / With Bushing
Vertical Type



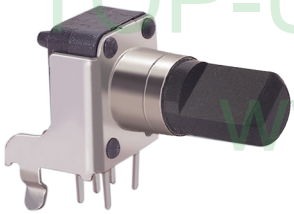


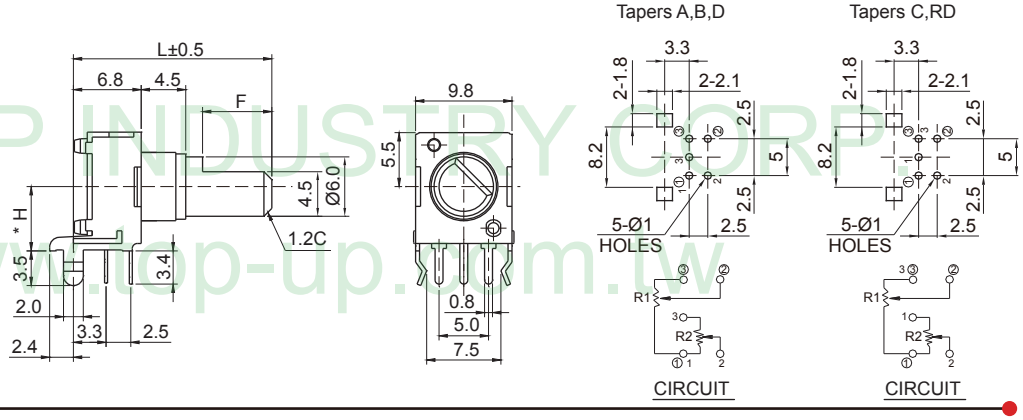
9PB2H-B□
Dual Unit
Horizontal Type





9PD2H-B□
Dual Unit
Horizontal Type





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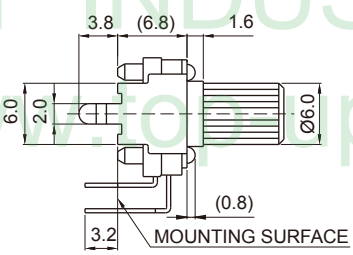
9mm Size Series Potentiometer

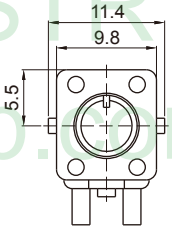
Snap-in Insulated Shaft Type

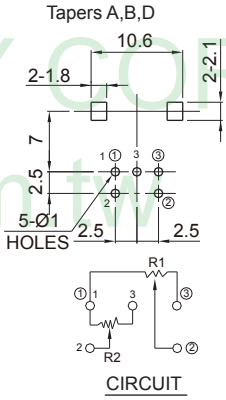
TOP-UP

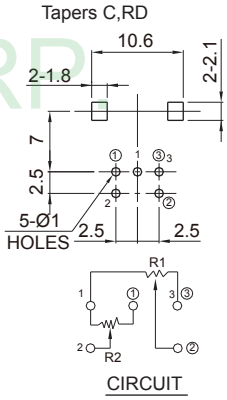
9PB2V-D
Dual Unit
Vertical Type





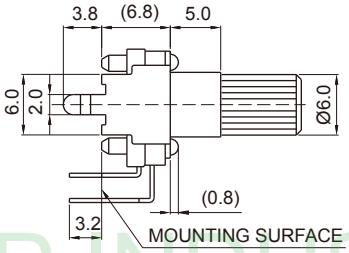


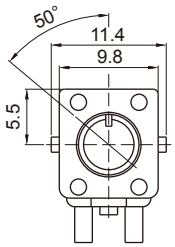


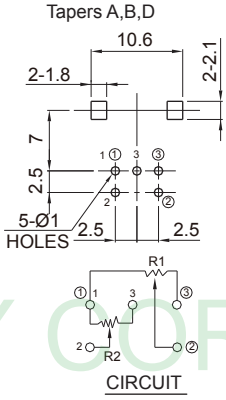


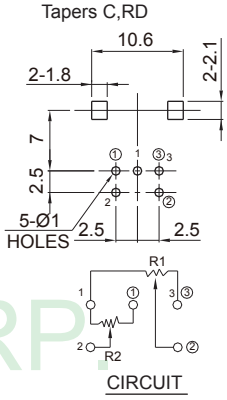
9PA2V-D
Dual Unit
Vertical Type











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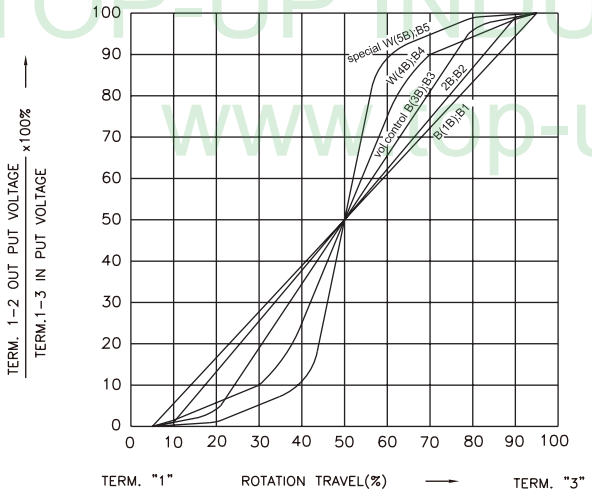
9mm Size Series Potentiometer

Snap-in Insulated Shaft Type

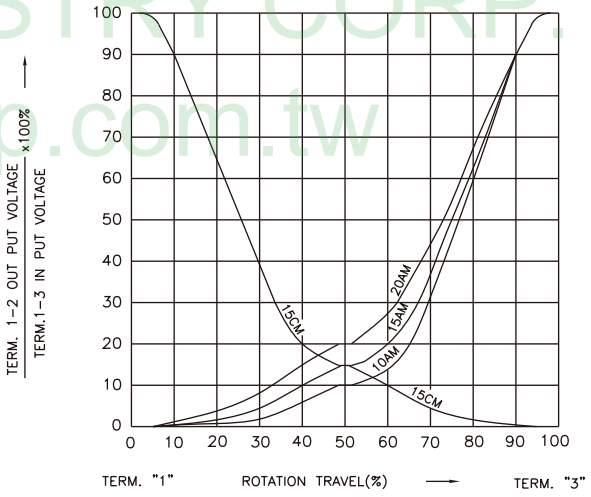
TOP-UP

Taper

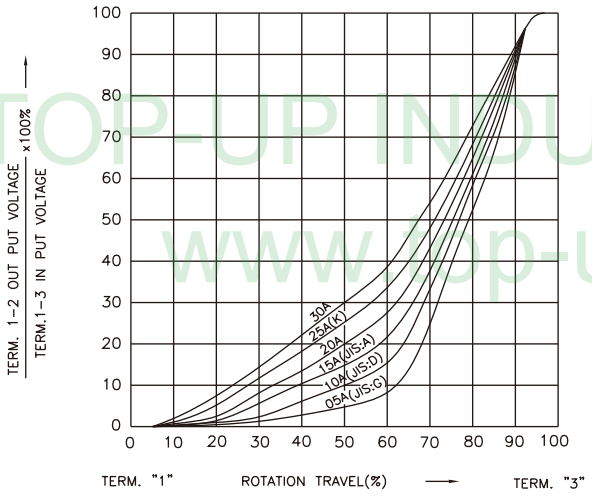
TAPERS B SERIES



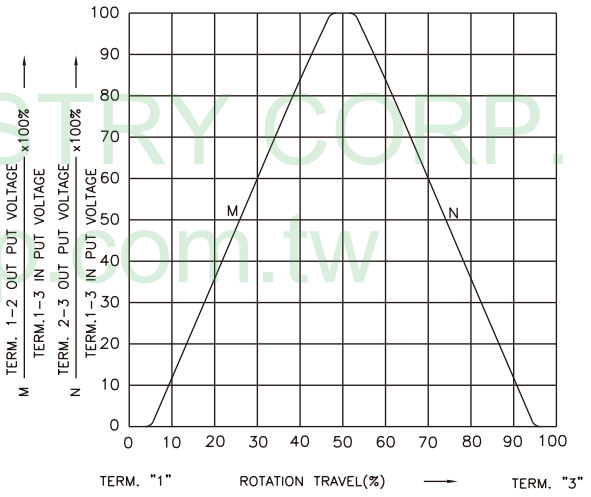
TAPERS A & C WITH 50% TAP



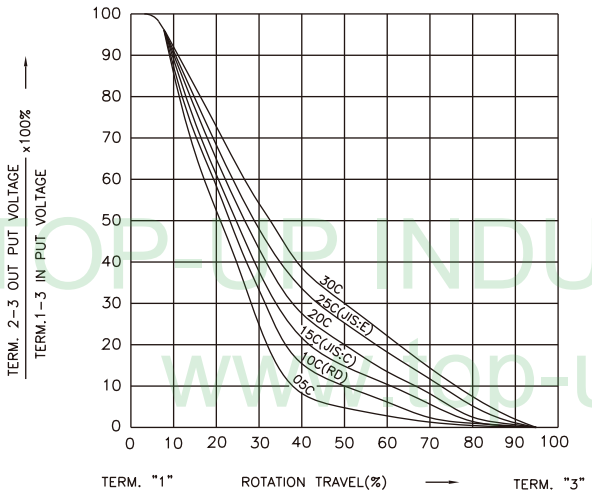
TAPERS A SERIES



TAPER M & N



TAPERS C SERIES



TOP-UP INDUSTRY CORP.
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9mm Size Series Potentiometer

Snap-in Insulated Shaft Type

TOP-UP

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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