

Rotary Potentiometer Product Code Explanation ◀◀

(旋轉式電位器編碼說明)

R **1** **2** **3** **4** **5** — **6** **7** **8** — **9** **10** **11** **12** — **13** **14** **15** **16**

1 **2**

Size (外形大小)

3 **4**

Structure difference (結構差異)

5

Circuit explanation (電路) page.06

6

Shaft type & length (軸型及軸長)

7

Type of terminal (端子型式)

8

Terminal length (端子長度)

9

Pattern of resistance curve (電阻線性) page.07

10 **11** **12**

Resistance value (總阻值)

Ex. 503 表示 $50 \times 10^3 \Omega$

Ex. 105 表示 $10 \times 10^5 \Omega$

13

Number of click (段落數)

Code	Specification	Code	Specification
0	None	4	16 Positions click
C	Center click	5	21 Positions click
1	3 Positions click	6	31 Positions click
2	7 Positions click	7	40 Positions click
3	11 Positions click	8	41 Positions click

14 **15** **16**

Serial No. (流水碼)

勝特力材料 886-3-5753170

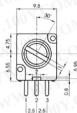
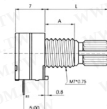
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RD91□N-□A1-

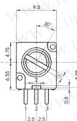
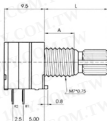
W X



Mounting hole detail

RD92□G-□A1-

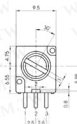
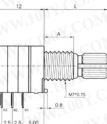
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Mounting hole detail

RD93□G-□A1-

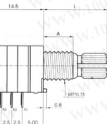
W X



Mounting hole detail

RD94□G-□A1-

W X



Mounting hole detail

▶▶ 9MM Size Rotary Potentiometers With LED Series

Mechanical characteristics: 機械的性能

Total rotational angle 全迴轉角度	300° ±10°
Rotational torque 迴轉扭力	1~20mN.m (10~200 gf-cm)
Rotation stopper strength 止迴轉強度	0.4 N.m (4 kgf-cm)
Click position 段數位置	center
Click torque 段數扭力	2~20mN.m (20~200 gf-cm)
Push pull strength 軸推拉強度	push 60N (6kgf) / pull 40N (4kgf)

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Electrical characteristics: 電氣的特性

Total resistance 總阻值	10KΩ ~ 500KΩ
Total resistance tolerance 總阻值容許差	±20%
Rated power 定格電力	curve B : 0.05W other curve B : 0.025W
Max, operating voltage 最高使用電壓	curve B = 50V AC other curve B = 25V AC
Resistance taper 阻值線性	A,B,C
Residual resistance 殘留阻值	R ≥ 250KΩ 0.1% max. of total resistance 250KΩ > R > 10KΩ 20Ω max. 10KΩ ≥ R 10Ω max.
Slide noise 滑動噪音	less than 100mV
Insulation resistance 絕緣抵抗	more than 100MΩ at DC 250V
Gang error 相互偏差	-40~0dB dB ≤ 3dB

Durability: 耐久性能

Rotational life 迴轉壽命	10,000 cycles
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►► 9MM Size Rotary Potentiometers

Mechanical characteristics: 機械的性能

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Total rotational angle 全迴轉角度	300 ± 5°
Rotational torque 迴轉扭力	10~80 gf.cm
Rotation stopper strength 止迴轉強度	4Kgf.cm
Push pull strength 軸推拉強度	push 5 kgf / pull 5kgf

Electrical characteristics: 電氣的性能

Total resistance 總阻值	10KΩ~500KΩ
Total resistance tolerance 總阻值容許差	±20%
Rated power 定格電力	curve B:0.05W other curve B:0.05W
Max.operating voltage 最高使用電壓	curve B:50V AC other curve B:25V AC
Slide noise 滑動噪音	less than 100mV
Resistance taper 阻值線性	A, B, C
Residual resistance 殘留阻值	R ≥ 250KΩ 0.1% max. of total resistance 250KΩ > R > 10KΩ 20Ω max. 10KΩ ≥ R 10Ω max.
Insulation resistance 絕緣抵抗	more than 100M at DC 500V
Gang error 相互偏差	-40dB to 0dB 3dB max.

Durability: 耐久的性能

Rotational life 迴轉壽命	10,000 cycles
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