

旋轉類電位器規格書

ROTARY POTENTIOMETER SPEC

客戶名稱：

(CUSTOMER) _____

本公司規格名稱：

(MAKER SPEC.NO) **CR09KV B10K L20PX7(ROHS)**

電器性能 (Electrical characteristics)

編號: **EN-20-096**

2015 年 06 月 19 日

全阻抗值(total resistance)	10K Ω
全阻抗值允許偏差(total resistance tolerance)	☐ $\pm 10\%$ ☒ $\pm 20\%$ ☐ $\pm 30\%$ ☐ other $\pm$ _____
阻抗變化特性(resistance taper)	☐ A, ☒ B, ☐ C, ☐ D, ☐ RD, ☐ W
額定功率(rated power)	☒ Linear taper B: 0.05 W; ☐ other tapers: 0.05 W
最高使用電壓(max. Operation voltage)	☒ Linear Taper B :AC 50 V; ☐ other tapers:AC 50 V
殘留阻抗(residual resistance)	Between terminal (1-2): 20 Ω Max,(2-3): 20 Ω Max.
同步誤差(gang error)	-40dB~0dB $\pm$ ___/___ dB
絕緣阻抗(insulation resistance)	100M Ω min at 100 VDC.
耐電壓(withstand voltage)	1 minute at AC 250 V
動雜音(rotational noise)	Less than 47 mV,at DC 12 V
開關額定功率(switch rated power)	/___ A at DC ___ V; /___ A at AC ___ V

機械性能 (mechanical characteristics)

全回轉角度(total rotation angle)	280 $^{\circ}$ $\pm$ 10 $^{\circ}$
止動強度(rotation stopper strength)	3.0 kgf.cm Max.
回轉力矩(operation torque)	10 gf.cm ~ 100 gf.cm
軸心推拉強度(push-pull strength)	Push: 5.0 kgf.cm Max; pull: 5.0 kgf.cm Max
開關回轉角度(switch rotational angle)	Less than ___ $^{\circ}$
開關操作力(switch action)	/___ gf.cm ~ /___ gf.cm
軟定位阻力(click force)	/___ gf.cm ~ /___ gf.cm
軸晃動量(shaft wobble)	Without bushing 0.7*L30/(0.7*L/20) mp-p Max.

焊錫耐熱性 (resistance to soldering heat)

Solder dip: 浸焊

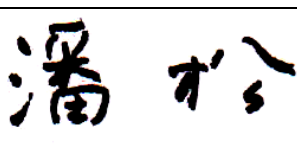
Preheating condition: surface temperature of the substrate shall be settled within 100 $^{\circ}$ C in one min. 預熱:基板表面溫度 100 $^{\circ}$ C 以下, 1 分鐘以內。

Solder temperature 260 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C for 5 sec. 焊錫溫度: 260 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C, 5 秒

Manual soldering: 手焊

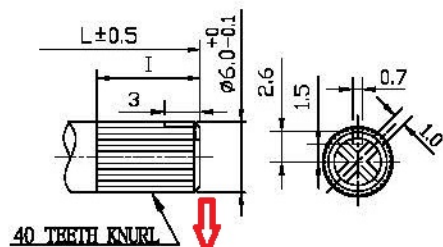
Less than 300 $^{\circ}$ C and quicker than 3seconds. 300 $^{\circ}$ C 以下, 3 秒鐘以內。(建議採用手焊, 以免過熱損壞電位器結構)

耐久性能 (durability)

回轉壽命(rotation life)	☒ 10,000 Cycles; ☐ other _____ Cycles		
開關負荷壽命(switch load life)	☐ _____ Cycles; ☐ other _____ Cycles		
核准(approved)	品管(check)	工程(engineer)	製作(made)
			劉其元

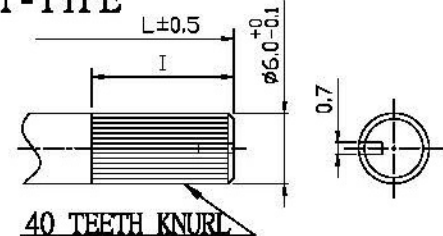
表單編號:CR-04-082 版次:1.0

P-TYPE



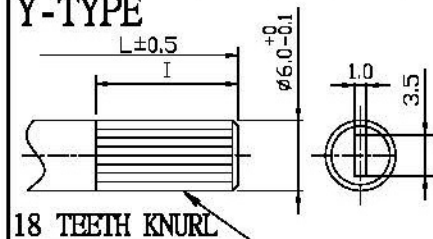
L	9.5	15	20	25	30	35
I	6	7	7	7	7	7

T-TYPE



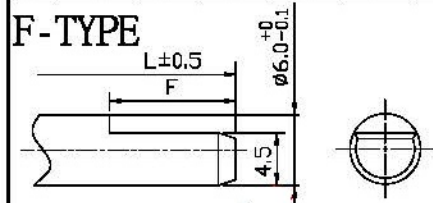
L	15	20	25	30	35
I	6	7	7	7	7

Y-TYPE

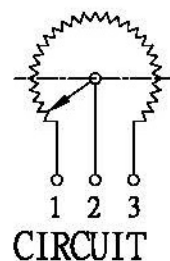
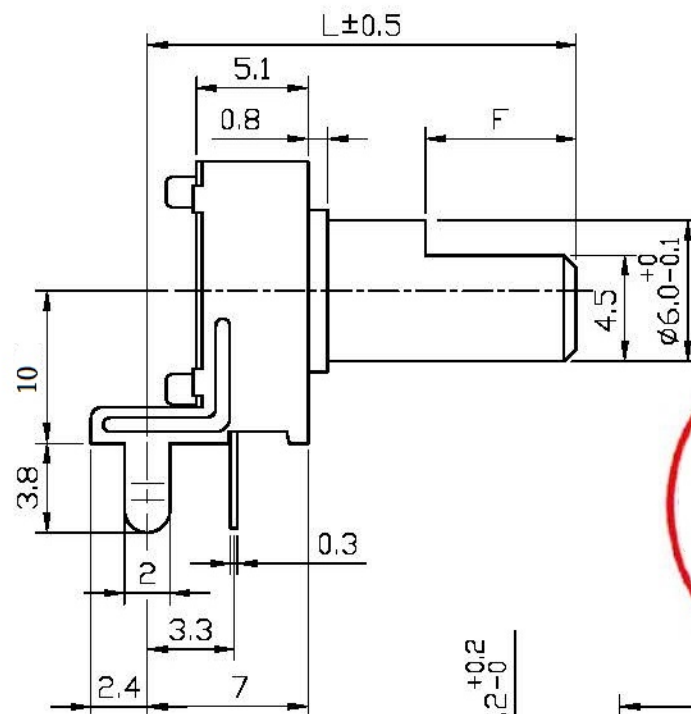


L	15	20	25	30	35
I	6	7	7	7	7

F-TYPE

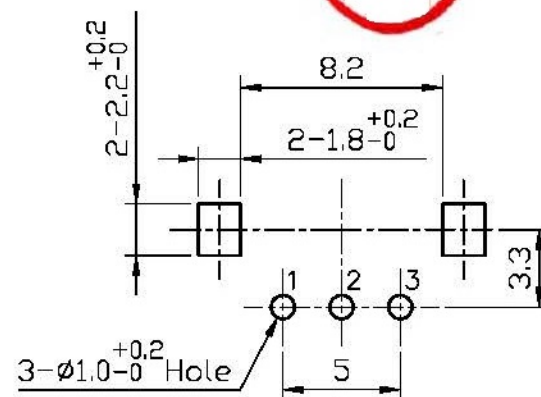
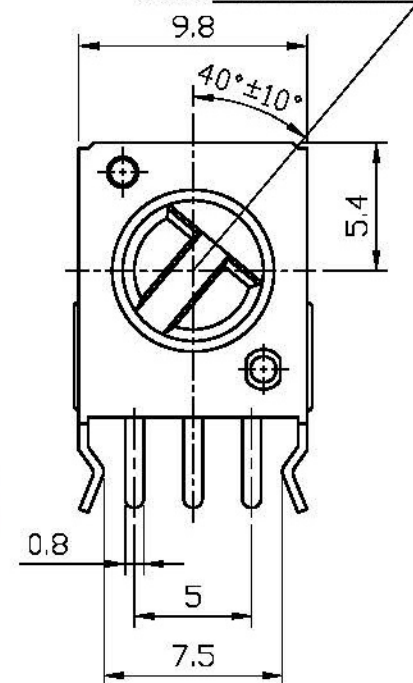


L	15	18	20	25	30	35
F	6	9	7	12	12	12



CIRCUIT

Full C.C.W Position



未指定容許±尺寸之公差	
10以下	±0.3
10~100	±0.5
100以上	±0.8
角 度	±5°

△新增軸長!

MTL	SPEC	DISPOSAL	UNIT	SCALE	TITLE
△5			MM	3 / 1	CR-09K Series
△4					DWG NAME CR-09KV (H:10)
△3			DRAWN	CHECK	APPROVAL
△2			HQM		DWG NO. CR-09K-02-003
△1	06.06.24	HQM	05.12.01		
DEVISION	DATE	DESIGN			