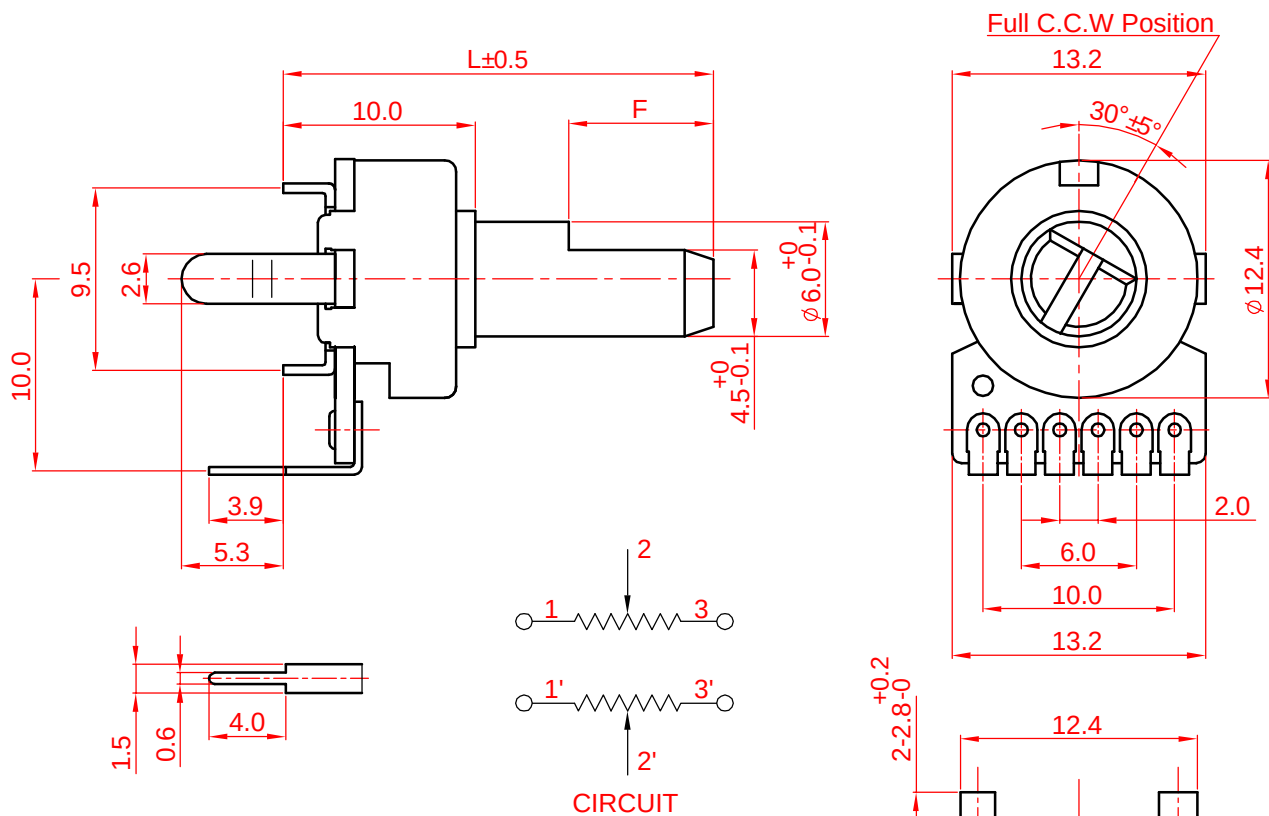
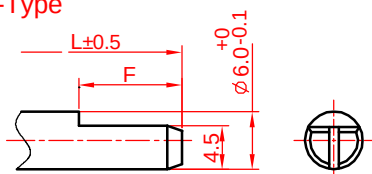


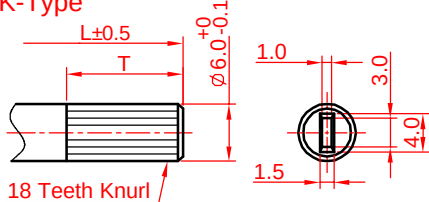


**F-Type**



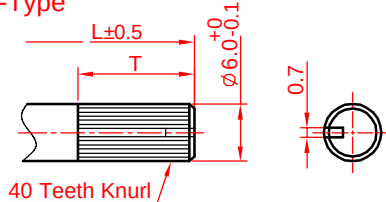
| CODE | 15F5 | 17F | 20F7 | 20F8 | 25F7 | 25F | 30F7 | 30F | 35F | 40F |
|------|------|-----|------|------|------|-----|------|-----|-----|-----|
| L    | 15   | 17  | 20   | 20   | 25   | 25  | 30   | 30  | 35  | 40  |
| F    | 5.0  | 7.0 | 7.0  | 8.0  | 7.0  | 12  | 7.0  | 12  | 12  | 12  |

**K-Type**



| CODE | 15K5 | 18K | 20K7 | 20K8 | 25K7 | 25K | 30K7 | 30K | 35K |
|------|------|-----|------|------|------|-----|------|-----|-----|
| L    | 15   | 18  | 20   | 20   | 25   | 25  | 30   | 30  | 35  |
| T    | 5.0  | 7.0 | 7.0  | 8.0  | 7.0  | 12  | 7.0  | 12  | 12  |

**KB-Type**



| CODE | 15KB5 | 20KB7 | 25KB7 | 25KB | 30KB7 | 30KB | 35KB |
|------|-------|-------|-------|------|-------|------|------|
| L    | 15    | 20    | 25    | 25   | 30    | 30   | 35   |
| T    | 5.0   | 7.0   | 7.0   | 12   | 7.0   | 12   | 12   |

**RoHS Compliance**

|                   |            |                |      |                        |                     |             |          |                           |            |             |     |  |       |
|-------------------|------------|----------------|------|------------------------|---------------------|-------------|----------|---------------------------|------------|-------------|-----|--|-------|
|                   |            |                |      | Third Angle Projection |                     | DRAWING NO. |          | 12PR-16Y-06               |            |             |     |  |       |
|                   |            |                |      |                        |                     | CODE NO.    |          |                           |            |             |     |  |       |
|                   |            |                |      |                        |                     | PATH:       |          | Pot/Rotary/12mm/12PR/Spec |            |             |     |  |       |
|                   | 2007.11.23 | Zhong xue feng | 首次出圖 |                        | APPROVED SIGNATURES |             | DRAWN BY |                           | CHECKED BY | APPROVED BY |     |  |       |
| TOLERANCES        |            | UNIT           |      | SCALE                  |                     |             | 鐘學峰      |                           | 周貴榮        |             | 周貴榮 |  |       |
| less than 10      |            | ±0.3           |      | m/m                    |                     |             |          |                           |            |             |     |  | 1 / 1 |
| 10-100            |            | ±0.5           |      | VERSION                |                     |             |          |                           |            |             |     |  |       |
| above 100         |            | ±0.8           |      |                        |                     |             |          |                           |            |             |     |  |       |
| angular dimension |            | ±5°            |      | A                      |                     | 2007.11.23  |          | 2007.11.23                |            | 2007.11.23  |     |  |       |

# 機種規格說明書

## (SPECIFICATION)

本公司使用機種：

OUR PART NAME: 12mm Size Insulated Shaft Pot.

本公司使用名稱：

OUR PART NAME: 12PR2VF4-D-30F-C100K-16Y

客戶名稱：

CUSTOMER'S NAME: \_\_\_\_\_

Page : 1 OF 1

Version : A

Drawing NO. : 12PR-16Y-06

### 電氣特性 (Electrical Characteristics)

|                                 |                                                                                                                                                                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 全阻抗值 (Total Resistance)         | <u>100K</u> $\Omega \pm 20\%$                                                                                                                                                                                                                                            |
| 阻抗特性型式 (Resistance Taper)       | <input type="checkbox"/> A, <input type="checkbox"/> B, <input checked="" type="checkbox"/> C, <input type="checkbox"/> D, <input type="checkbox"/> E, <input type="checkbox"/> MN, <input type="checkbox"/> RD, <input type="checkbox"/> W, <input type="checkbox"/> __ |
| 最高工作電壓 (Max. Operating Voltage) | <input type="checkbox"/> Single unit: AC <u>50</u> V, DC <u>20</u> V<br><input checked="" type="checkbox"/> Dual unit: DC <u>20</u> V                                                                                                                                    |
| 額定功率 (Rated Power)              | <input type="checkbox"/> Single unit Linear Taper B: <u>0.05</u> W, Other Tapers: <u>0.025</u> W<br><input checked="" type="checkbox"/> Dual unit Linear Taper B: <u>0.03</u> W, Other Tapers: <u>0.015</u> W                                                            |
| 雜音 (Rotational Noise)           | Less than <u>100</u> mV                                                                                                                                                                                                                                                  |
| 絕緣阻抗值 (Insulation Resistance)   | More than <u>100</u> M $\Omega$ at DC <u>250</u> V                                                                                                                                                                                                                       |
| 耐電壓特性 (Withstand Voltage)       | 1 minute at AC <u>300</u> V                                                                                                                                                                                                                                              |
| 殘留阻抗值 (Residual Resistance)     | Term.1~2: Less than <u>20</u> $\Omega$ , Term.2~3: Less than <u>20</u> $\Omega$                                                                                                                                                                                          |

### 機構特性 (Mechanical Characteristics)

|                                      |                                                                                                                                                                      |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 全回轉角度 (Total Rotation Angle)         | <u>300</u> ° $\pm$ <u>5</u> °                                                                                                                                        |
| 旋轉力矩 (Rotation Torque)               | <u>10</u> ~ <u>100</u> gf.cm                                                                                                                                         |
| 旋轉止動強度 (Rotation Stopper Strength)   | <u>3.0</u> Kg.f.cm Min.                                                                                                                                              |
| 軸柄推拉承受強度 (Push-Pull Strength)        | Pull: <u>8.0</u> Kg.f Max. Push: <u>8.0</u> Kg.f at 10 sec                                                                                                           |
| 焊錫耐熱性 (Resistance to soldering heat) | Solder dip :<br>Preheating condition : Surface temperature of the substrate shall be settled within 100°C in one min.<br>Solder temperature 260 $\pm$ 5°C for 5 sec. |
|                                      | Manual Soldering: Less than 300°C and quicker than 3 seconds.                                                                                                        |
| 旋轉壽命 (Rotational Life)               | <input checked="" type="checkbox"/> 10,000 <input type="checkbox"/> Other _____ (Cycles Min.)                                                                        |

RoHS Compliance

備 注：  
(REMARK)

| 核 準<br>APPROVED | 審 核<br>REVIEWED | 經辦者<br>PREPARED |
|-----------------|-----------------|-----------------|
| 周貴榮             | 周貴榮             | 鍾學峰             |
| 2007.12.24      | 2007.12.24      | 2007.12.24      |