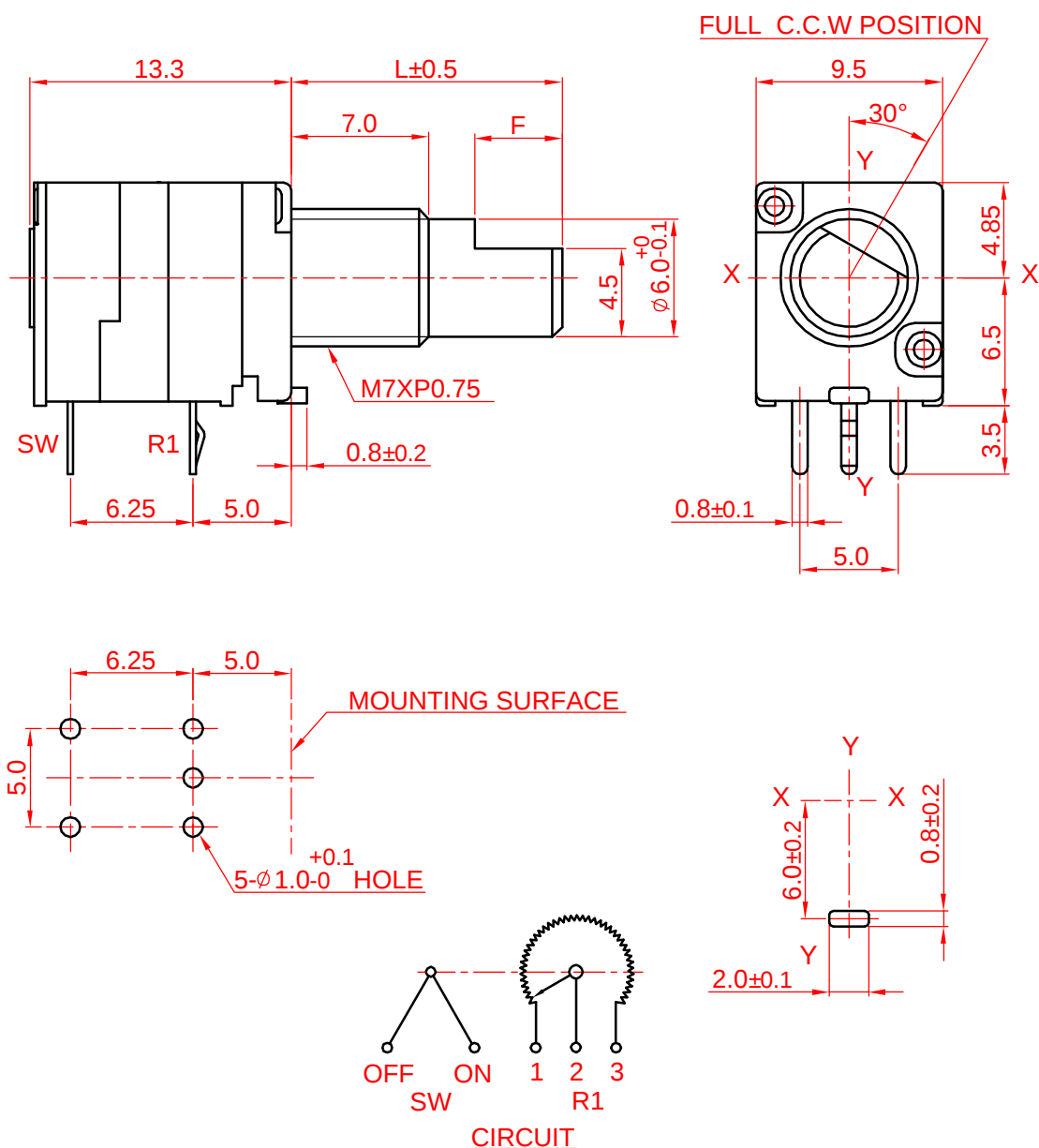




# S-TYPE

| Code | 15S | 20S | 25S | 30S |
|------|-----|-----|-----|-----|
| L    | 15  | 20  | 25  | 30  |

# F-TYPE

| Code | 13F | 15F | 20F | 25F | 30F |
|------|-----|-----|-----|-----|-----|
| L    | 13  | 15  | 20  | 25  | 30  |
| F    | 5   | 7   | 12  | 12  | 12  |

# K-TYPE

| Code | 15K | 20K | 25K | 30K |
|------|-----|-----|-----|-----|
| L    | 15  | 20  | 25  | 30  |
| T1   | 6.5 | 11  | 12  | 14  |
| T    | 5.5 | 10  | 10  | 12  |
| M    | 1   | 1   | 2   | 4   |

## RoHS Compliance

|                   |  |  |  |                                    |  |  |  |
|-------------------|--|--|--|------------------------------------|--|--|--|
|                   |  |  |  | MODEL NAME: 9M1RSHB-B-15K-A20K-16Y |  |  |  |
|                   |  |  |  | DRAWING NO. 9M-16Y-47              |  |  |  |
|                   |  |  |  | CODE NO.                           |  |  |  |
|                   |  |  |  | PATH: Pot\Rotary\9mm\9M\Spec       |  |  |  |
| TOLERANCES        |  |  |  | DRAWN BY                           |  |  |  |
| UNIT              |  |  |  | CHECKED BY                         |  |  |  |
| SCALE             |  |  |  | APPROVED BY                        |  |  |  |
| less than 10      |  |  |  | 劉中華                                |  |  |  |
| 10-100            |  |  |  | 周貴榮                                |  |  |  |
| above 100         |  |  |  | 2007.7.25                          |  |  |  |
| angular dimension |  |  |  | 2007.7.25                          |  |  |  |

# 機種規格說明書

## (SPECIFICATION)

本公司使用機種:

OUR PART NAME: 9mm Size Metal Shaft Pot.

本公司使用名稱:

OUR PART NAME: 9M1RSHB-B-15K-A20K-16Y

客戶名稱:

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

Page : 1 OF 1

Version : A

Drawing NO.: 9M-16Y-47

### 電氣特性 (Electrical Characteristics)

|                                     |                                                                                                                                                                                                                                                                                |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 全阻抗值 (Total Resistance)             | <u>20K</u> $\Omega \pm 20\%$                                                                                                                                                                                                                                                   |
| 阻抗特性型式 (Resistance Taper)           | <input checked="" type="checkbox"/> A, <input type="checkbox"/> B, <input type="checkbox"/> C, <input type="checkbox"/> D, <input type="checkbox"/> E,<br><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"/> Linear Taper B : AC <u>50</u> V ~ DC <u>10</u> V<br><input checked="" type="checkbox"/> Other Tapers : AC <u>50</u> V ~ DC <u>10</u> V                                                                                                                |
| 額定功率 (Rated Power)                  | <input type="checkbox"/> Linear Taper B: <u>0.05</u> W, <input checked="" type="checkbox"/> Other Tapers: <u>0.025</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> $\Omega$                                                                                                                                                                                                  |
| 同步誤差值 Gang Error (Dual Unit)        | - <u>  </u> dB ~ <u>  </u> dB $\pm$ <u>  </u> dB                                                                                                                                                                                                                               |
| 開關接觸阻抗值 (Switch Contact Resistance) | Less than <u>100</u> m $\Omega$                                                                                                                                                                                                                                                |
| 開關額定功率 (Switch Rated Power)         | <u>3.0</u> A at DC <u>16</u> V, <u>  </u> A at AC <u>  </u> V                                                                                                                                                                                                                  |

### 機構特性 (Mechanical Characteristics)

|                                         |                                                                                                                                                                      |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 全回轉角度 (Total Rotation Angle)            | <u>300</u> ° $\pm$ <u>10</u> °                                                                                                                                       |
| 旋轉力矩 (Rotation Torque)                  | <u>5</u> ~ <u>90</u> gf.cm                                                                                                                                           |
| 旋轉止動強度 (Rotation Stopper Strength)      | <u>4.0</u> Kg.f Min                                                                                                                                                  |
| 軸柄推拉承受強度 (Push-Pull Strength)           | Pull: <u>6.0</u> Kg.f Max. Push: <u>6.0</u> Kg.f Max. at 10 sec                                                                                                      |
| 開關回轉角度 (Switch Rotation Angle)          | <u>50</u> ° Max.                                                                                                                                                     |
| 開關作動力 (Switch Action)                   | <u>100</u> ~ <u>350</u> gf.cm                                                                                                                                        |
| 軸套螺母緊固強度 (Bushing & Nut Tight Strength) | <u>8.0</u> Kg.f.cm Min.                                                                                                                                              |
| 旋轉段位數目 (Number of Detents) Click        | <input type="checkbox"/> 1C (Center Detent), <input type="checkbox"/> 11C, <input type="checkbox"/> 21C, <input type="checkbox"/> 41C                                |
| 段位推動力 (Click Torque)                    | <u>  </u> / <u>  </u> ~ <u>  </u> / <u>  </u> gf.cm                                                                                                                  |
| 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"/> 15,000 <input type="checkbox"/> Other <u>  </u> (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             | 劉中華             |
| 2007.12.20      | 2007.12.20      | 2007.12.20      |