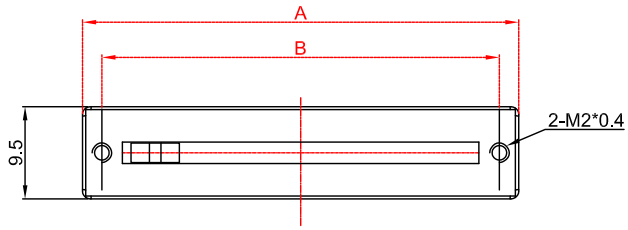
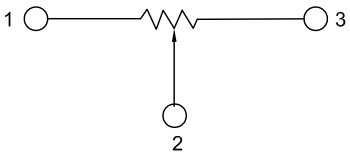
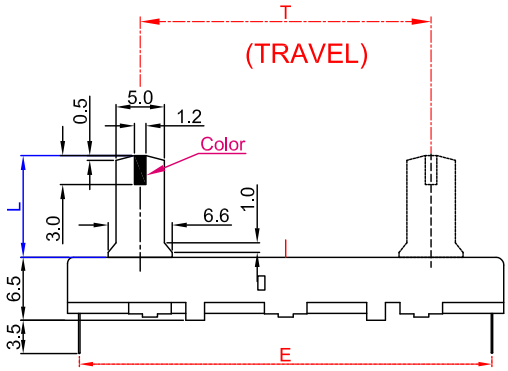
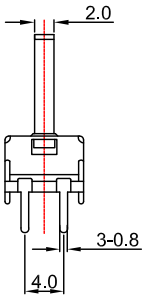
# 外 形 图
# Mechanical Dimensions



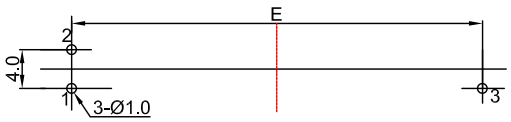

接线图
Circuit explanation




安装孔位图
P.C.B. mounting hole detail




| Color(颜色) | |
|---|---|
| R(red红色) | W(white白色) |

| | MODEL NO. | T | A | B | E |
|---|---|---|---|---|---|
| ☐ | C1531N | 15 | 30 | 26 | 28.5 |
| ☐ | C2031N | 20 | 35 | 31 | 33.5 |
| ☐ | C3031N | 30 | 45 | 41 | 43.5 |
| ☒ | C4531N | 45 | 60 | 56 | 58.5 |

H型塑胶推柄 (Insulated Lever)

☐☐☐☐☐☐

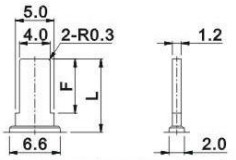
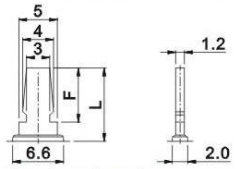
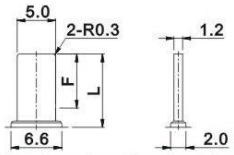
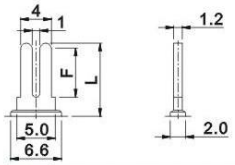
| X | 8 | 7 | 9 | | | |
|---|---|---|---|---|---|---|
| L | 10 | 15 | 20 | | | |

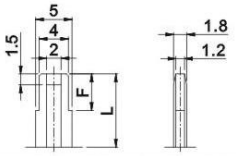
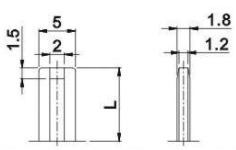
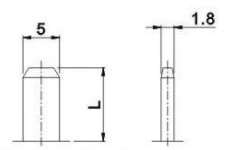
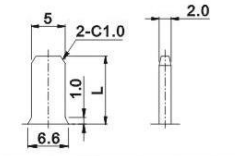
| NO | DATE | DESCRIPTION | PRODUCT NAME | Slide Potentiometer | |
|---|---|---|---|---|---|
| 3 | | | | | |
| 2 | | | | | |
| 1 | | | MODEL NAME | C☐☐31N-☐A1-value (Travel(T), Lever(X)) | |
| DIMENSION | TOLERANCE | SCALE | | APPROVED BY | CHECKED BY | DRAWN BY |
| ∫ ≤10 | ± 0.2 | UNIT | mm | | | |
| 10 < ∫ ≤ 30 | ± 0.5 | VER. | A0 | | | |
| 30 < ∫ ≤100 | ± 1.0 | DATE | | | | |
| All Angles | ± 5° | | | | | |

# Slide Potentiometers series Specifications

| | | |
|---|---|---|
| **1.電氣性能 (Electrical Characteristics)** | | |
| 1.1 | 全阻抗值 （Total Resistance) | 1KΩ ~ 1MΩ |
| 1.2 | 全阻抗值允许偏差（Total Resistance Tolerance) | ±20%（More than 1 M Ω ±30%) |
| 1.3 | 電阻隨温度變化特性<br>Resistance of temperature change character) | 20℃-75℃:△R/R≤±5%,<br>-25℃-20℃:△R/R≤±4.5% |
| 1.4 | 阻值變化特性（Resistance Taper) | A, B , C, W |
| 1.5 | 零位阻值（Residual Resistance) | R≥250KΩ / 0.1 % max. of total Value<br>250KΩ>R>10KΩ / 20Ω max.<br>10KΩ≥R / 10Ω max. |
| 1.6 | 額定功率（Rated Power) | Linear Taper B: 0.1W Other Taper:0.05W |
| 1.7 | 最高使用電壓（Max.Operating Voltage) | 100V AC |
| 1.8 | 動雜音（Rotational Noise) | Less Than 100mV |
| 1.9 | 絕缘阻抗（Insulation Resistance) | More than 100MΩ at DC 200V |
| 1.10 | 耐電壓（Withstand Voltage) | For 1 minute at: AC 100V |
| 1.11 | 开关额定功率(Switch Rated Power) | ---------- |
| 1.12 | 同步誤差（Gang Error) | ---------- |
| **2.機械性能（Mechanical Characteristics)** | | |
| 2.1 | 滑动行程（Slide travel) | T=(15,20,30)±1.0mm |
| 2.2 | 滑动力矩（Operating force) | 10～200gf.cm |
| 2.3 | 柄的拉、押強度（Pull-Push Strength) | 3 Kgf.cm |
| 2.4 | 滑动止檔強度（Rotational Stop-End Torque) | 2 kgf.cm Min |
| 2.5 | 开关角度(Switch Working Angel) | ---------- |
| 2.6 | 开关力矩(Switch Working Torque) | ---------- |
| 2.7 | 旋轉定位數目（Number of Detents(click) | detent: 0 or 1centre click |
| 2.8 | 焊錫耐熱性（Resistance To Soldering Heat) | 260±5℃and less than 3 seconds |
| **3.耐久性能 (Durability)** | | |
| 3.1 | 回轉壽命（Rotation Life) | 10,000 Cycles min. |
| 3.2 | 工作温度 (Operating temperature) | -10℃～+70℃ |
| 4.1 | 外形尺寸圖/曲線特性圖<br>(Shape size drawing/curve characteristic drawing) | 见附页<br>Please refer the drawing |

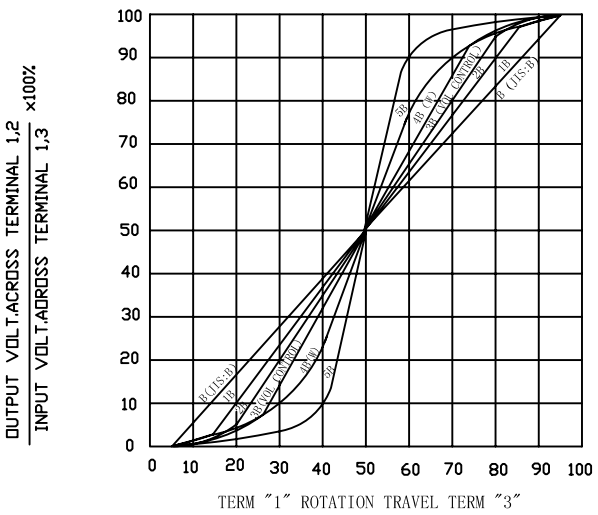
| | | | | | |
|---|---|---|---|---|---|
| 批<br>准 | | 審<br>核 | | 設<br>計 | |

| Material | Metal Lever (金屬推柄 Model: C□□31,C□□ 21,C□□43) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lever Type | C1 | | | | | | | D1 | | | | | | | B1 | | | | | | | | CH1 | | | | | | | |
| Dimensions |  | | | | | | |  | | | | | | |  | | | | | | |  | | | | | | | |
| Length (L) | X | A | B | C | D | E | | X | P | Q | R | | | | X | H | I | | | | | | X | M | | | | | |
| | L | 10 | 15 | 20 | 25 | 17.5 | | L | 10 | 15 | 20 | | | | L | 10 | 15 | | | | | | L | 10.4 | | | | | |
| | F | 7 | 10 | 10 | 10 | 10 | | F | 7 | 10 | 10 | | | | | | | | | | | | F | 7 | | | | | |

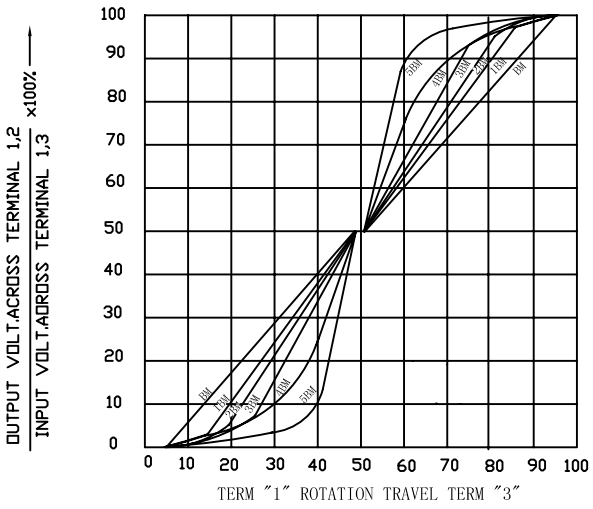
| Material | Insulated Lever (絕緣推柄 Model: C□□31,C□□ 21,C□□43) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lever Type | C | | | | | | | CA | | | | | | | AB | | | | | | | | B | | | | | | | |
| Dimensions |  | | | | | | |  | | | | | | |  | | | | | | |  | | | | | | | |
| Length (L) | X | 1 | 2 | 3 | 5 | 6 | 7 | X | F | G | J | K | L | M | X | N | O | S | Y | | | X | T | U | | 8 | | | |
| | L | 10 | 12.5 | 15 | 18 | 20 | 25 | L | 10 | 12.5 | 15 | 5 | 18 | 3 | L | 5 | 6 | 10 | 20 | | | L | 5 | 15 | | 10 | | | |
| | F | 5 | 5 | 5 | 5 | 5 | 5 | 注：只適用 C□□31,C□□21系列 | | | | | | | 注：只適用 C□□31,C□□21系列 | | | | | | | 注：只適用 C□□43,C□□21系列 | | | | | | | |

# RESISTANCE TAPER

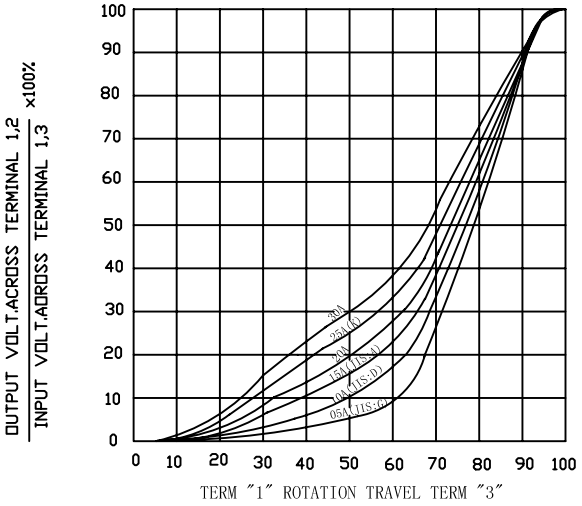
## TAPER B SERIES



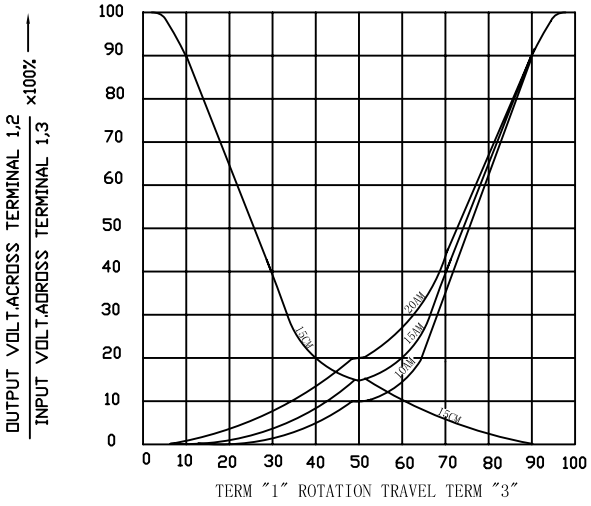

## TAPER B WITH 50% TAP



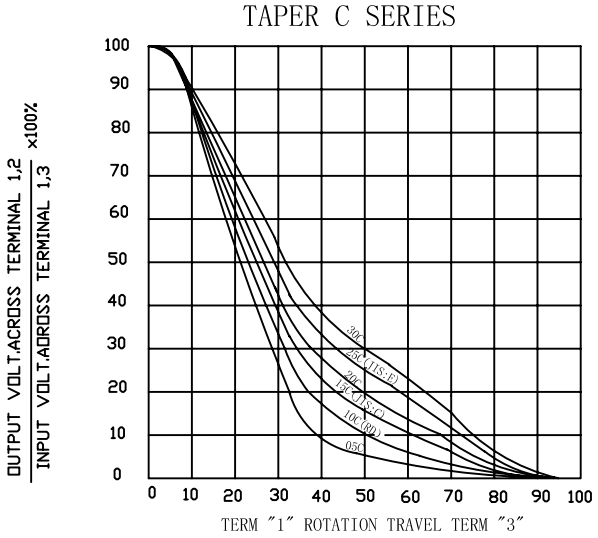

## TAPER A SERIES




## TAPER A & C WITH 50% TAP




## TAPER C SERIES




## TAPER M & N SERIES

