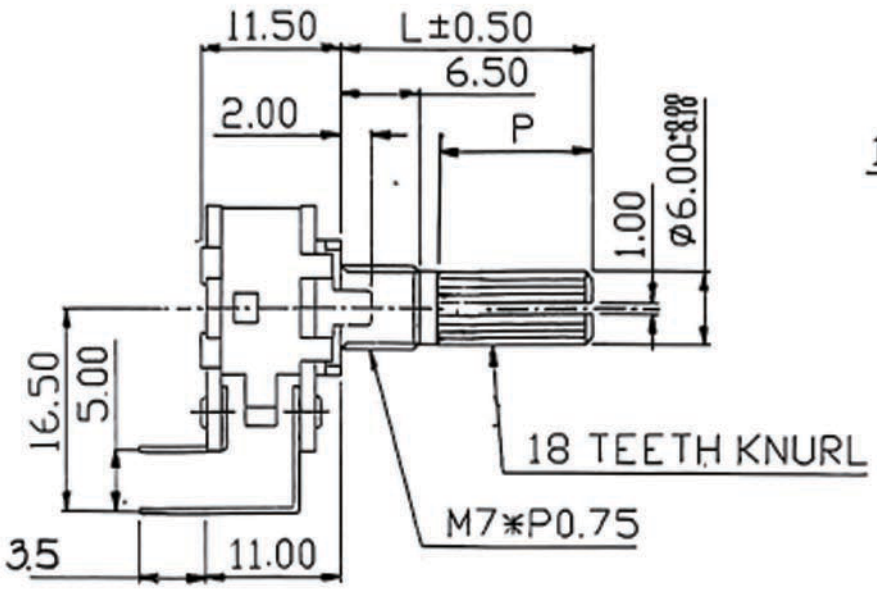
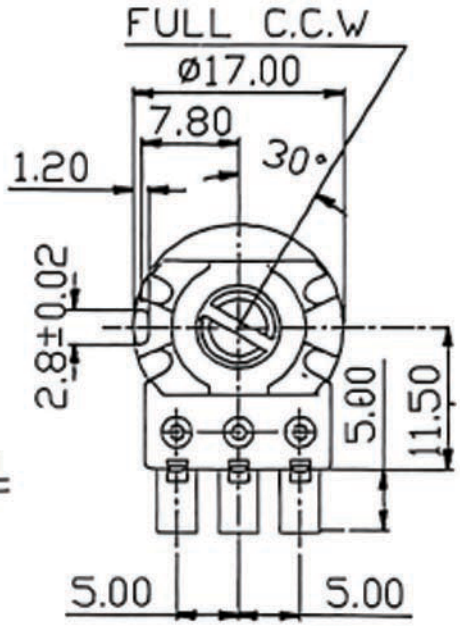
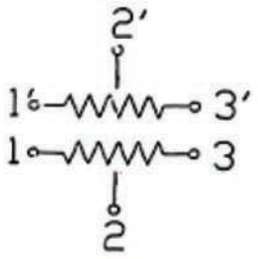
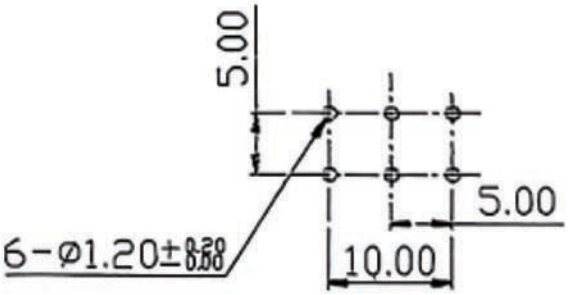






CIRCUIT



L	15
P	7

TOLERANCES UNLESS OTHERWISE SPEC	
BASIC DIMENSIONS	TOLERANCE
L ≦ 10	±0.3
10 < L ≦ 100	±0.5
100 < L	±0.8
ANGULAR DIMENSION	±5°

ELECTRICAL CHARACTERISTICS:

1.1 全阻抗值: 阻值適用範圍100Ω-1MΩ(容許差 ±20%)
Overall resistance range: 100Ω-1MΩ(TOLERANCE±20%)

1.2 額定瓦特 : B 特性 0.125W, B特性以外0.06W.
Power rating: B Taper 0.125W, The others 0.06W.

1.3 阻抗變化特性 TAPER :

阻抗變化特性 Taper	測定點(mm) Test point position	端子1-2間輸出電壓 / 端子1-3間輸入電壓 V1-2 / V1-3 (%)	端子2-3間輸出電壓 / 端子1-3間輸入電壓 V2-3 / V1-3 (%)
A	180°	15-30	
B	150°	40-60%	
C	*180°		15-30%
D	150°	2-15%	
W	90° ±5°	5-15%	
	150°	40-60%	
	210° ±5°	85-95%	

註)*記號表示自第3端子測起【*With respect to terminal 3】

1.4 殘留阻值 : 10Ω以下 (1-2端子/2-3端子同)
Residual resistance : Terminal 1-2/2-3 10Ω MAX

1.5 滑動雜音 : (依JIS測定法) 47mV以下.
Slider noise (Refer to JIS): 47mV MAX.

1.6 絕緣阻抗 : DC 500V 須在100MΩ以上.
Insulation resistance : 100MΩ MIN. at DC 500 volts

1.7 耐電壓 : AC 500V可耐1分鐘.
Withstanding voltage (Terminal～case): one minute at AC 500V.

1.8 最高使用電壓 : B特性 AC 150V, 其它特性 AC 200V.
Max. operation voltage: linear taper B AC 150V,other tapers AC 200V.

1.9 連動誤差 : －60dB～0dB之間在±1.5dB以內
Gang error: －60dB～0dB at ±1.5dB

2.6 焊錫耐熱性 : 焊錫後(350℃以下,5秒以下)不可發生顯著之鬆動不良.
Resistance to soldering heat:
After soldering (less than 350℃ and quicker than 5 seconds)there should be evidence of poor contact between resistance element and terminals, or any pl damages as a result of the test.

2.7 掣子位置: 1C,11C,21C,41C.
Position of click: 1C,11C,21C,41C.

2.8 掣子脫出力矩 : 100～500gf-cm. (2.6,2.7 僅適用于付掣子時).
Click slip out force: 100～500gf-cm. (2.6,2.7 For click only).

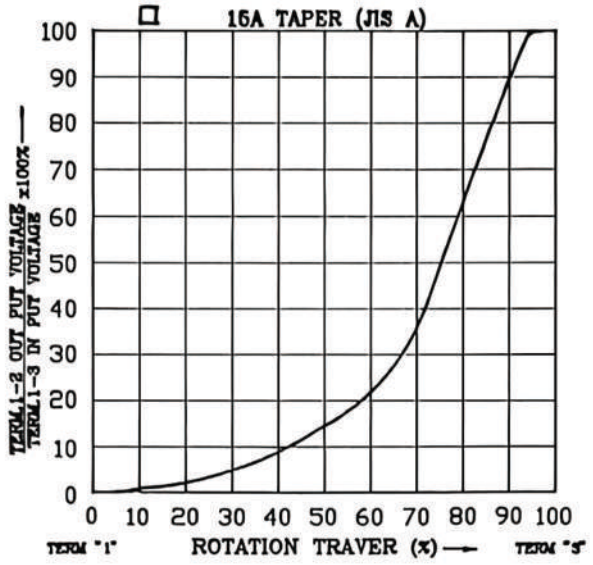
三. 耐久性能
ENDURANCE CHARACTERISTICS:

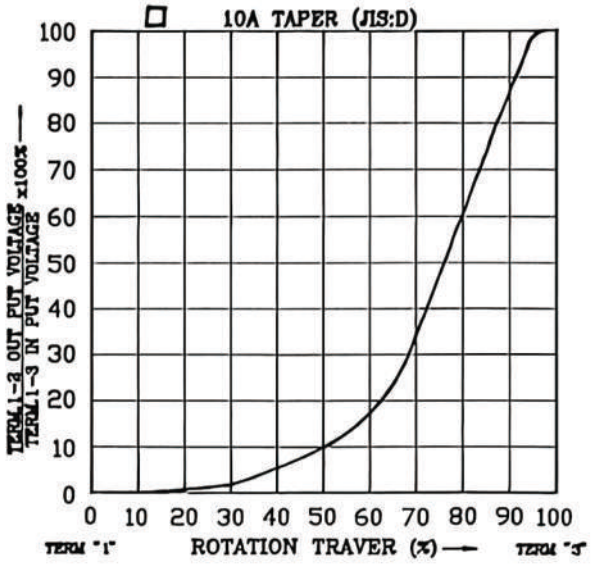
3.1 電阻體迴轉壽命特性 : 10,000迴轉以上.
Rotational life : More than 10,000 cycles .

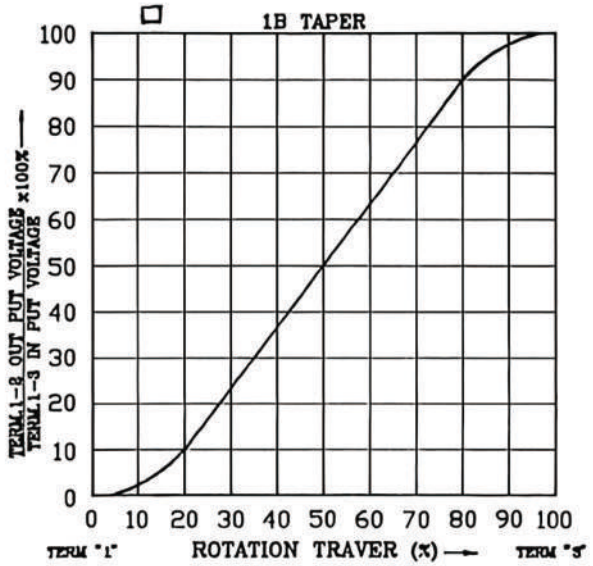
四. 其它
NOTE

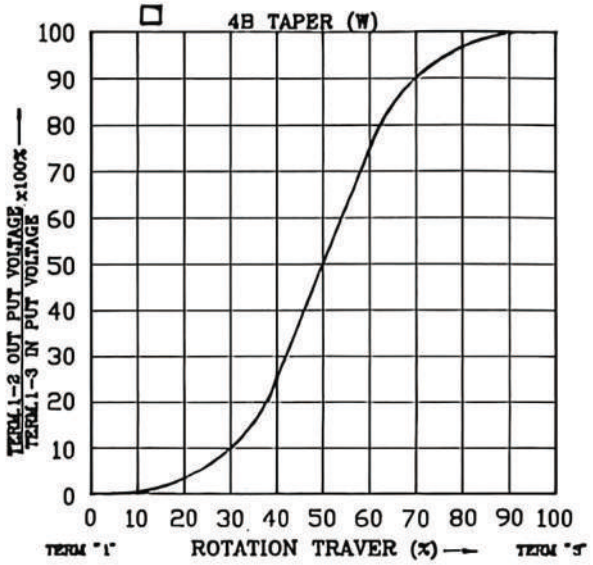
4.1 依照 JISC-6443 普通級碳素系可變電阻器.
Meet or exceed JISC-6443 requirements.

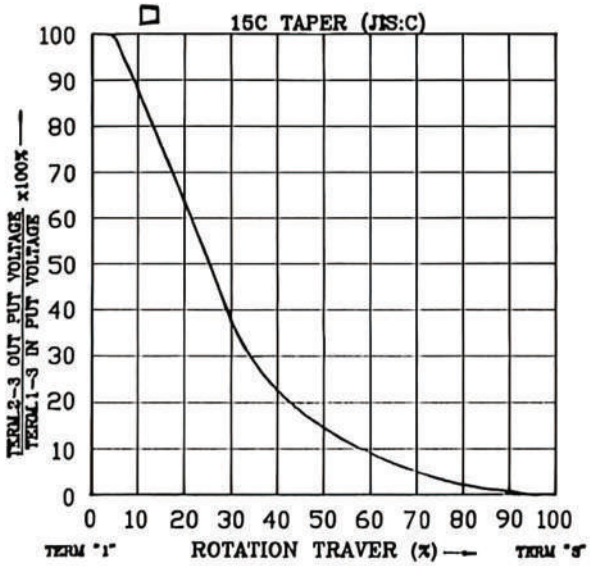
STANDARD RESISTANCE TAPER

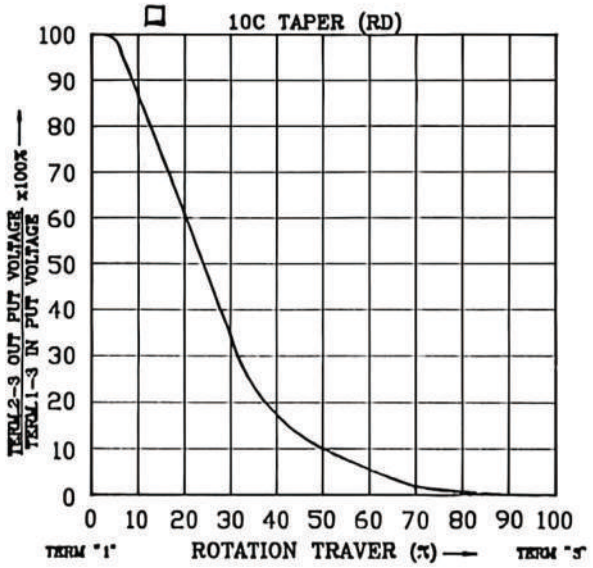








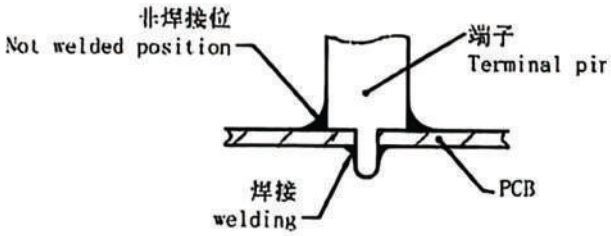




产品使用注意事项

Product usage precautions

1. 因绝缘型轴上取用了聚碳酸酯等合成树脂，请避免在氨、胺类、碱溶液、芳香族炭化氢、丙酮类、酯类、卤化炭化氢等的环境，特别是强气体环境使用。Due to the use of synthetic resins such as polycarbonate on insulated shafts, please avoid using them in environments with ammonia amines, alkaline solutions, aromatic hydrocarbons, acetone, esters, halogenated hydrocarbons, etc., especially in strong gas environments。
2. 避免结露：产品表面应避免结露或有水滴存在，以避免绝缘劣化或造成短路。Avoid condensation: The surface of the product should avoid condensation or the presence of water droplets to prevent insulation degradation or short circuits。
3. 关于焊接的条件设定，请依据本公司规格书焊锡耐热性指标进行，若有特别要求请与本公司联络；Regarding the setting of welding conditions, please refer to our company's specifications for solder heat resistance indicators. If there are any special requirements, please contact our company;
4. 拧紧安装螺母类或组装套钮时，需在规定的强度要求(详见规格书中的机械性能指标)，且螺纹安装面需紧贴机壳或支承物，否则，可能会造成锁紧固定机构被破坏。When tightening installation nuts or assembling knobs, it is necessary to meet the specified strength requirements (see mechanical performance indicators in the specifications), and the threaded installation surface should be tightly attached to the casing or support, otherwise it may cause damage to the locking and fixing mechanism。
5. 安装时，请将产品本体插入至规定的安装面为止，并使其达到水平状态，否则，将可能会导致性能不良；When installing, please insert the product body into the designated installation surface and make it level, otherwise it may cause poor performance。
6. 上锡法如右图，应尽量避免在 PCB 板上面非焊接位焊接，否则加焊时易将焊锡流至产品 塑胶位造成松动或接触不良，As shown in the figure on the right, it is advisable to avoid soldering on non soldering positions on the PCB board as much as possible. Otherwise, during soldering, the solder may flow to the plastic position of the product, causing looseness or poor contact。



7. 保存方法 Save method
   ①. 产品以交货时的状态在常温、 常湿， 不受阳光直射照射， 不产生腐蚀性气体的场所保管， 自交货起 6 个月内使用为佳： The product should be stored in a place where it is delivered at room temperature, humidity, not exposed to direct sunlight, and does not produce corrosive gases. It is recommended to use it within 6 months from the date of delivery
   ②. 包装被打开后未使用完的产品使用聚乙烯袋与空气隔断，最好放置干燥剂（例如： 使用密封袋将其密封）请在①环境下保管与尽快使用 For products that have not been fully used after opening the packaging, use polyethylene bags to isolate them from the air. It is best to place desiccants (such as using sealed bags to seal them). Please store them in the environment and use them as soon as possible。