承　认　书

APPROVAL SHEET

客户名称：

（CUSTOMER）_____

欢迎订购本公司产品。为了便于更好的合作，本承认书提出__1__份，请确认后返回__1__份。谢谢！

贵公司使用机种：　　534-503

（USER MODEL）_____

贵公司规格标号：

（USER SPEC No.）_____

本公司零件标号：

（MAKER MODEL）_____

本公司规格名称：

（MAKER SPEC No.）_____

样品数量：

（SAMPLE QUANTITY）_____

拟定日期：

（DRAFT DATE）_____2026-10-14_____

客 户 确 认（APPROVED）		

电器特性 Electrical characterıstıcs

1.标称阻值范围 Range of nominal resistance	100Ω---100KΩ
2.阻值允许偏差 Resistance tolerance	±5%
3.终端电阻 Terminal resitance	≤1%R或10Ω
4.接触电阻变化Contact resistance vartion	CRV≤1%
5.绝缘电阻Insulation resistance	R1≥1GΩ（100vdc)
6.耐电压Withstand voltage	600V ac
7.有效行程Effective electrical travel	>总机械行程的70%>70% of Total mechanical travel

二、环境特性 Environmental characteristics

额定功率Rated Power (160Vmaz)	2W@70℃,0W@125℃
温度范围Temperature range	-55℃--- +125℃
温度系数TCR	±100ppm/℃
碰撞 Collision	1000m/s2, 16ms ,1000次△R≤±2%R
温度循环Temperature cycle	-55℃ ,30闽，+100℃ ,30min
循环3次3cucie	△R≤±5%R，△(Uab/Uac)≤10%
85℃电负荷 Electrical load at 85℃	0.5Wm,△R≤±10%R,△(Uab/Uac)≤10%
恒定湿热 Constant damp-heat	40±2℃ ,87-92%R，H96h △R≤±5%R，R10≥10MΩ

物理特性 Physical characteristics

总机械旋转角度 Total mechanical rotation angle	≥3600°+10°/-0°
启动力矩 Starting torque	≤35mN.m
标志 Mark	阻值代码、标称阻值Type,nominal resistance
	阻值允许偏差Resistance tolerance
标准包装 Standard package	50只/盒，50PCS

电位器使用注意事项

化学药品的使用：电位器大多使用多碳酸类的合成树脂制成，应避免与以下药品接触：氨水、其他胺类；碱水溶液、芳香族碳氢化合物、酮类，脂类和卤素族的碳氢化合物。

助焊剂的使用：应避免使用水溶性助焊剂，否则将助长金属氧化与材料发霉。

加锡法：焊接操作应在 270℃、3 秒钟内完成，且焊接时勿使焊锡流穿线路板，否则易造成接触不良。

避免结露：电位器表面应避免结露或有水滴存在，以避免绝缘劣化造成短路。

接地杂音的避免：单联式电位器因结构简单可有效防止接地杂音，但多联式、滑动式和汽车音响用　　电位器则不易防止，对高增益电路的选用，请与本公司联络。

在低温下操作：电位器若需使用在特低温状况时，须加入特殊低温滑脂(如寒带的汽车收音机或音响)　　低温电位器的转动扭力如下表所示：

温度	旋动扭力
-20℃	最大 80 毫牛顿·米
-30℃	勉强转动

7、安装螺钉：避免使用过长的螺钉安装，否则有可能妨碍滑杆的运动，甚至直接损坏电位器的本身。

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VR APPLICATION INSTRUCTIONS

Use of chemicals:Synthetic ressuns such as polycarbonate are used in the potentiometer. Care must, therefore, be exercised not expose the pesistor to thick atmosphere of ammonia, amins, alkali solution, aromatic hydocarbon, ketons, esters, halogenous hydrocarbons, etc.

Use of flux:When soldering avoid using water-soluble flux. Otherwise, it might cause an adverse effect on molding material and metal.

Soldering:Saldering operation must be completed in a time as sonn as possible suggested maxinum soldering-iron tip temperature and allowable time is at 270 for 3 seconds. Avoid wiring and soldering that causes solder to flow out to the top of PC board as shown. A contact failure may occur in the terminal section.

Dew condensation: Avoid using the potentiometer where dew or water drops might occur on the surface of the resistor, etc;insulation deterioration or shorting may occur.

Prevention of ground noise:Single-unit potentiometers are generally constructed to be resistant to ground noise, but multi-ganged types, shaft-moving(back and forth)types and car-audio-use types do not have such a feature. For use with high-gain sets, please consult us.

Operation at low temperature:To assure smooth rotation of a potentiometer at extremely low temperature, which might be encountered in a car radio or car stereo, special low-temperature grease may be applied to moving parts in the potentiometer upon request. The rotational torque of a low-temperature potentiometer is given in the table below.

Temperature	Rotational torgue
-20℃	80mN.m max
-30℃	Rotatable

7、Chassis mounting:Avoid using the screw longer than a specified one. Otherwise, the amont of travel may be reduced or the potentiometer may be damaged if the lever is located at the end.feeling will be obtained.

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