Customer: ALPS EUROPE DISTRIBUTION

No. KK-2007-3297

Date: May. 10, 2007

Attention:

Your ref. No.:

Your Part No.: RK27112

SPECIFICATIONS

ALPS';

MODEL: RK271122002D

(10kBX2)

Spec. No.:

Sample No.: F 4 0 7 9 6 5 1 M

RECEIPT STATUS RECEIVED By Date Signature Name Title



DSG'D

y Ohya APP'D

ENG. DEPT. DIVISION

Sales

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SPECIFICATIONS

- 1. THIS SPECIFICATIONS APPLY TO RK271122002D POTENTIOMETER.
- 2. CONTENTS OF THIS SPECIFICATIONS. 5K272A0 OOM K272A0A0G 4K-1

3. MARKING

• MARKING ON ALL UNITS

DATE CODE, RESIST. VALUE, TAPER

4. REMARKS

• FURNUSH PACKAGE NUT:1 WASHER:1

NOTES

·Marking ⇒ in specifications shows standard and condition for application.

CAUTION

There is a possibility that might be affected by contact resistance of resistive element and wiper in case of low impedance of output side in voltage regulation circuit.

For this reason, we require that you adjust to impedance of output side more than 100 times of total resistance.

Regardless of the suggested applications of these products being introduced in the specifications, when using them for equipment and devices requiring a high degree of safety, respective manufacturers will please preserve safety of the planned equipment and devices by providing necessary protective circuits and redundancy circuits and reconfirm if safety is being duly preserved.

Products being introduced in the specifications have been designed and manufactured for applications to ordinary electronic equipment and devices such as the AV equipment, electric home applicates, office machines and communications equipment. Consequently, when employing these products for applications requiring a high degree of safety and reliability such as the medical equipment, aviation and aircraft equipment, space equipment and burglar alarm equipment, the using manufacturers will please thoroughly study the proprieties of these products for the planned applications.

Although we are exerting our best efforts to maintain the quality of these products, we cannot guarantee that they will never cause short circuiting and open circuitry.

Therefore, when designing an equipment or device with which the priority is given to the safety, you will please carefully study the influences to the whole equipment of a single function failure of Potentiometers and Encoders in advance to make out a fail-safe design providing.

SPECIFICATIONS

ELECTRICAL

1. Total resistance

10 kΩ ± 20 %

2. Rated voltage

30V A.C.

This potemtiometer is desinged for A.C. voltage only.

Resistance taper: See (HSB01)

4. Residual resistance between terminals

between terminal 1 & 2 : 1000 max. between terminal 2 & 3 : 1000 max.

5. Sliding noise:

Less than 47mV (Measured by JIS C 6443)

(Neglected a impulsive noise at the C.W. and C.C.W. ends position and around detent position.

6. Insulation resistance :

: 1

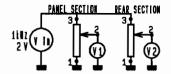
More than 100 Ma at 500V D.C.

7. Dielectric strength:

Units shall be designed to withstand 500V A.C. 50Hz R.M.S. between resistance element and case for a period of 1 minute without damage or arcing.

8. Gang error :
 Measure between
 (R1&R2)

2 dB max. at Click position



MECHAN1CAL

1. Total rotational angle

300°±3°

2. Rotational torque

6-35mN·m(Rotational speed 60'/sec., at 20t)

3. Stopper strength

No damage with an application of 0.9 N·m.

4. Resistance to soldering heat

After soldering (Less than 350 °C and within 5 s.) there shall be no evidence of poor contact between resistance element

and terminals.

or any physical damage as a result of the test.

5. Bushing nut

tightening strength

Tightening torque to be no greater than 1.5 N·m.

*Pay attention otherwise the strength

may not be assured.

6. Push / pull strength

No damages with an application of push or pull force 100 N for 10 s.

7. Click position:

150°±3°

8. Click torque:

Rotational torque+(5-30)mN·m

ENDURANCE

1. Rotational life :

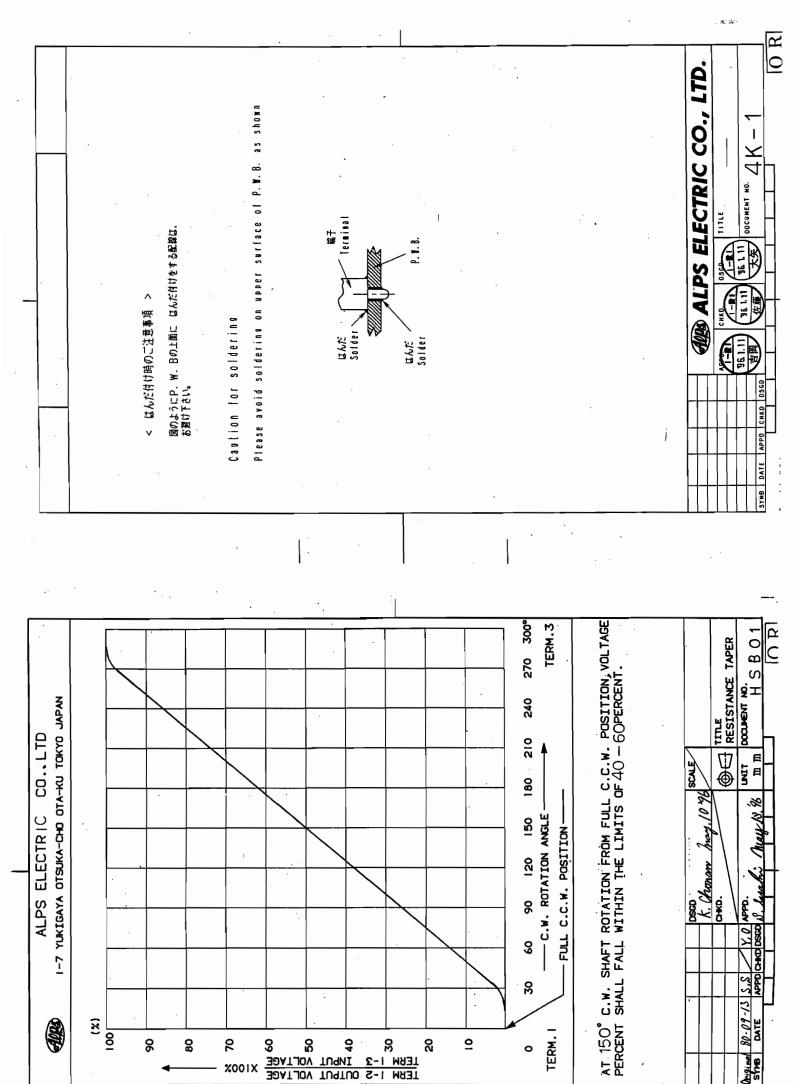
15,000 cycles min.

NOTES

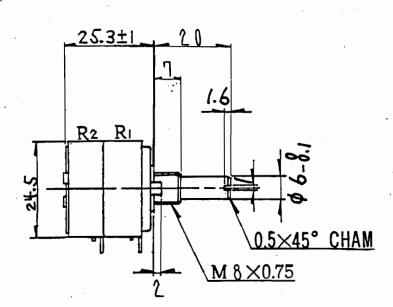
- 1. The Items except above mentioned Items shall meet or exceed JIS C 6443.
- 2. This type is protected against sulfides.
- 3. Operating temperature: -10 ${\tt T}$ to +70 ${\tt T}$
- 4. Storage temperature: -20 % to +BO %

| | | | | | 4 | ALPS | ELE | CTRIC | CO., LTD. |
|------|------|------|------|------|---------------------|-------|---------------------|--------------|---------------------|
| | | | | | DESIGN | онко. | DESIGN | TITLE _ | |
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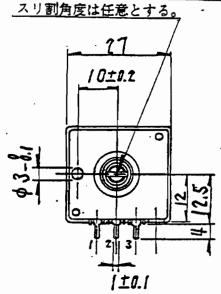




TONE



SHAFT SLOT IS OPTIONAL ANGLE

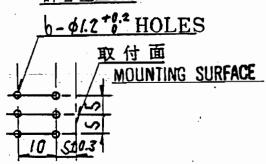


P.W.B. MOUNTING DETAIL

TOLERANCE ± 0.1

VIEWED FROM MOUNTING SIDE

取付<u>六寸法図</u> <u>許容差±0.1</u>(挿入側より)



| 許容差の指定なき寸法の公差 | | | | | | | | |
|---|-----------|--|--|--|--|--|--|--|
| TOLERANCES UNLESS OTHERWISE SPEC | | | | | | | | |
| BASIC DIMENSIONS | TOLERANCE | | | | | | | |
| L ≦ 10 | ±0.3 | | | | | | | |
| 10 <l<100< td=""><td>±0.5</td></l<100<> | ±0.5 | | | | | | | |
| 100≤L | ±0.8 | | | | | | | |
| 角度 ANGULAR DIMEN | SION ±5° | | | | | | | |
| | | | | | | | | |

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|----------|----|-----|-----|----|-----|--------|--------|----------------|---|-----------|-------|--------|-------------|-------------|
| | | | | • | | | | | | <u>-:</u> | | 300±3° | | |
| 部 | - | | 季 | 名 | | 称 | 材 | 料 | 規 : | 格 | 処 | 理 | ۷, | 3.29 |
| | • | • | | | | 三角 | 上 単位 | | <u> </u> | 150 |) ° C | LICK | | |
| | • | • | | | | l | ± m | | <u>/* </u> | 150 | , C | LICK | # 1 | |
| | ٠ | • | | | | 承認 | 照査 | 投 | It | 図名 | | | | |
| | · | • | | | , | MED | W | <u>₩</u> | V生設課 | 軸2 | 2連/ | 小型 デ | ィテントVI | R組立図 |
| FORM REV | 34 | 2-1 | 相沢 | 佐藤 | 大矢 | 57.9.7 | 57.9. | $\frac{-6}{1}$ | 7 .9. 08 | 図書 | / ^ r | 7 / 1 | 1 1 1 1 | |
| 見号 | 4. | ЯВ | * 2 | 用玉 | 股 計 | 天多 | / 佐々 | 夕に | 大和 | 1 1 | \ 'L' | ILA | $\pi U A U$ | 59, 1, 20 |
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ACPS アルブス電気株式会社

A4 - 四面用纸)

0049 A4 SLT.