

Customer: ALPS EUROPE DISTRIBUTION

No. K272007-1076

Date: Sep. 21, 2007

Attention:

Your ref. No.:

Your Part No.: RK27112A005N

SPECIFICATIONS

ALPS:

MODEL: RK27112A005N

(10KB X2)

Spec. No.:

Sample No.: F 4 7 0 0 5 2 6 M

RECEIPT STATUS

RECEIVED

By Date

Signature

Name

Title

ALPS
ALPS ELECTRIC CO., LTD.

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B6523

01003#03A (EA)

Sales

ENG. DEPT. DIVISION

APP'D

S. Ikenoue

DSG'D

y. Ohya

S P E C I F I C A T I O N S

1. THIS SPECIFICATIONS APPLY TO RK27112A005N POTENTIOMETER.

2. CONTENTS OF THIS SPECIFICATIONS.

F4700526M
K272A000F

3. MARKING

• MARKING ON ALL UNITS

EIA DATE CODE, RESIST. VALUE, TAPER

4. REMARKS

• FURNISH PACKAGE
NOT: 1 WASHER: 1

5 NOTE

Please be careful not to soak this pot in H₂S gas, or not to exist such materials (e.g. rubber parts) as make H₂S gas emerge because the silver of this resistive element is not coated over.

• 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 appliances, 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 properties 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.

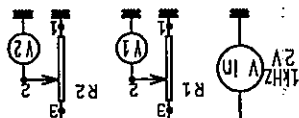
SPECIFICATIONS

ELECTRICAL

1. Total resistance : $10k\Omega(\text{nominal}) \pm 20\%$
2. Rated voltage :
The rated voltage shall be the voltage of A.C. (commercial frequency, effective value)
Maximum working voltage : 30V A.C. (A.C. use only)

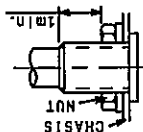
3. Resistance taper : B
4. Maximum attenuation level on full C.W. position : 80dB min.
5. Insertion loss on full C.W. position : 0.1dB max.

6. Sliding noise : Less than 47mV (Measured by JIS C 6443.)
(Neglected a impulse noise at the C.W. and C.C.W. ends of position)
More than 100mV at 500V D.C.
7. Insulation resistance : 500V A.C. for 1 minute.
3dB max. at -60dB less than -40dB
9. Gang error : 2dB max. at -40dB less than 0dB



MECHANICAL

1. Total rotational angle : $300^\circ \pm 3^\circ$
2. Rotational torque : $8 \sim 35 \text{MN} \cdot \text{m}$
3. Stopper strength : No damage with an application of $0.9 \text{N} \cdot \text{m}$.
4. Resistance to soldering heat : After soldering (less than 350V and within 5sec), there shall be no evidence of poor contact between resistance element and terminal, or any physical damages as a result of the test.
5. Bushing nut tightening strength : Tightening torque to be no greater than $1.5 \text{N} \cdot \text{m}$.
Pay attention to tighten as shown right.
Otherwise, the strength may not be assured.
6. Push / pull strength : No damages with an application of push or pull force 100N for 10 sec.



ENDURANCE

1. Rotational life : 15,000 cycles min.

NOTE

1. The items except above mentioned items shall meet or exceed JIS C 6443.

ALPS ELECTRIC CO., LTD.

APPD. CHKD. DSGD.

NOV. 22, '96 NOV. 22, '96 NOV. 22, '96

Y. Yoshio M. Sato Y. Saitoh

TITLE

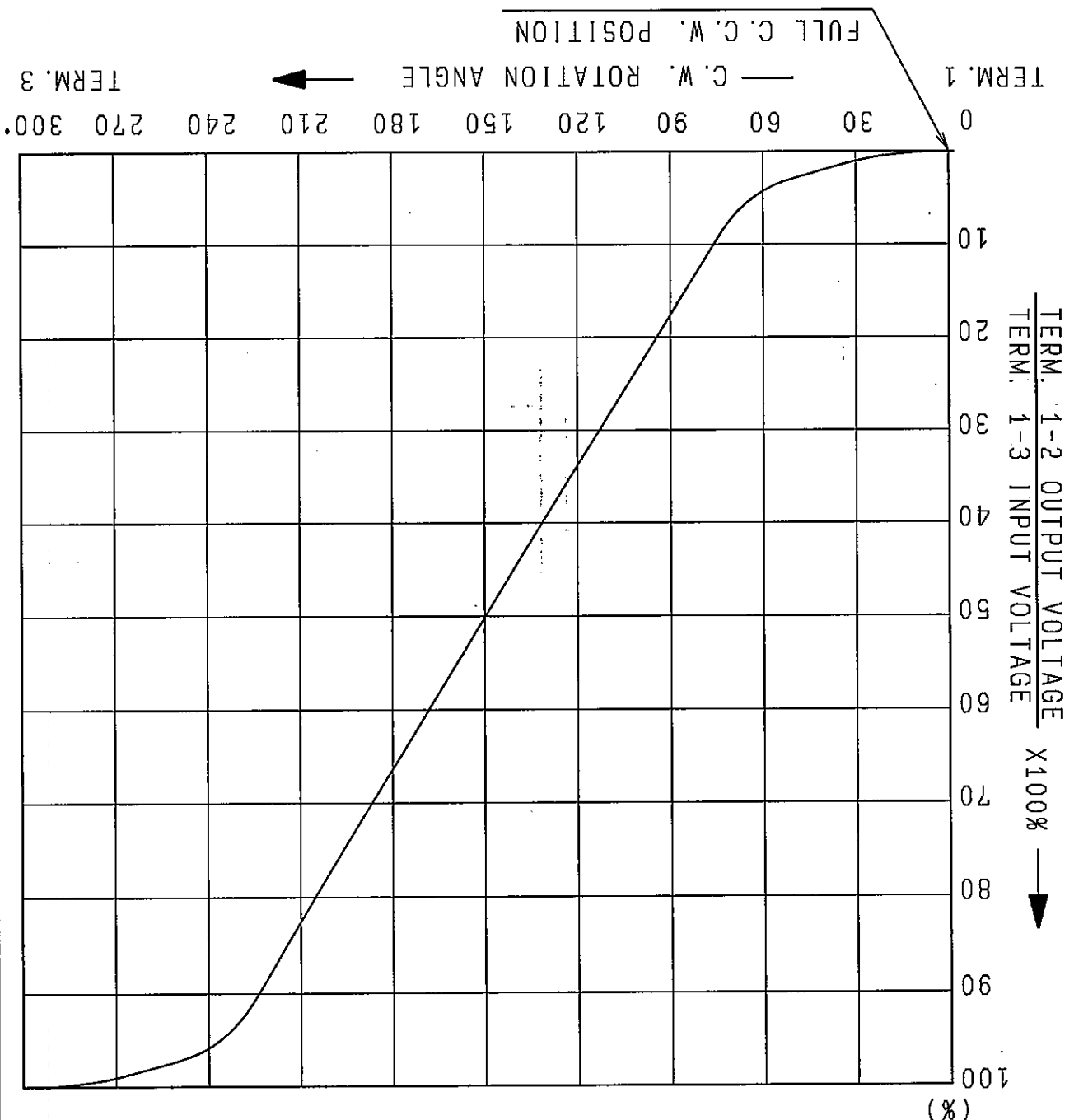
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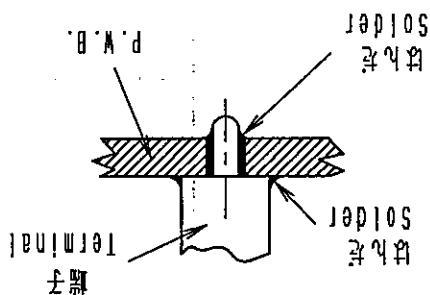
RK271

SYMB	DATE	APPD	CHKD	DSGD	S. Sasak	X. Tuunaa	DOCUMENT NO.	F 4700526M
					Nov. 15, '96	Nov. 15, '96	RESISTANCE TAPER (B)	
		APPD.	CHKD.	DSGD.			NAME	

AT 150. C.W. SHAFT ROTATION FROM FULL C.C.W. POSITION VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 40-60 PERCENT.



SYMB	DATE	APPD	CHKD	DSGD	S. AIZAWA	M. SATOH	Y. SATOH	DOCUMENT NO.
					APD. 14, '93	APD. 14, '93	APD. 14, '93	F 4700526M
					APPD.	CHKD.	DSGD.	TITLE
ALPS ELECTRIC CO., LTD.								



Cauton for soldering
Please avoid soldering on upper surface of P.W.B. as shown

図のようにP.W.B.の上面に はんてい付けをする配線は、
お避け下さい。

< はんてい付け時の注意事項 >