

Customer:

No. KK-2006-2246

Date: Nov. 13, 2006

Attention:

Your ref. No.:

Your Part No.:

SPECIFICATIONS

ALPS' ;

MODEL: RK2711210
(500kBX2)

Spec. No.:

Sample No.: F 3 5 0 9 7 6 8 M

RECEIPT STATUS

RECEIVED

By Date

Signature

Name

Title

ALPS
ALPS ELECTRIC CO., LTD.

Head Office
1-7, Yukigaya-otsuka-cho, Ota-ku, Tokyo, 145-8501 Japan
Phone, +81(3)3726-1211

DSG'D

Y. Ohta

APP'D

S. Ikenoue

ENG. DEPT. DIVISION

Sales

B6523

Q1003#03A (EA)

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

1. THIS SPECIFICATIONS APPLY TO RK2711210 POTENTIOMETER.

2. CONTENTS OF THIS SPECIFICATIONS.

5K272A000G

K272A004D

4K-1

3. MARKING

- MARKING ON ALL UNITS

DATE CODE, RESIST. VALUE, TAPER

4. REMARKS

- FURNISH PACKAGE

NUT:1 WASHER:1

• CAUTION

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.

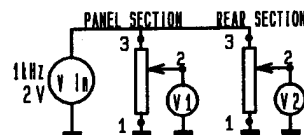
Products being introduced in the specifications have been designed and manufactured for applications to ordinary electronic equipment and devices such as the AV equipment, electric home appliances, office machines and communications equipment. Consequently, when employing these products for applications 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 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

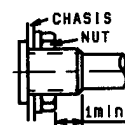
ELECTRICAL

1. Total resistance 500 K Ω $\pm$ 20 %
2. Rated voltage 30V A.C.
This potentiometer is desinged for A.C. voltage only.
3. Resistance taper: B (HSB01)
4. Residual resistance between terminals
between terminal 1 & 2 : 300 Ω max.
between terminal 2 & 3 : 300 Ω 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 of position.)
6. Insulation resistance : More than 100 M Ω 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 : 2 dB max. at 150°
Measure between (R1&R2)



MECHANICAL

1. Total rotational angle 300° $\pm$ 3°
2. Rotational torque 8 - 35 mN·m (Rotational speed 60°/sec. at 20℃)
3. Stopper strength No damage with an application of 0.9 N·m.
4. Resistance to soldering heat After soldering (Less than 350℃ 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.

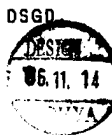


ENDURANCE

1. Rotational life : 15,000 cycles min.

NOTES

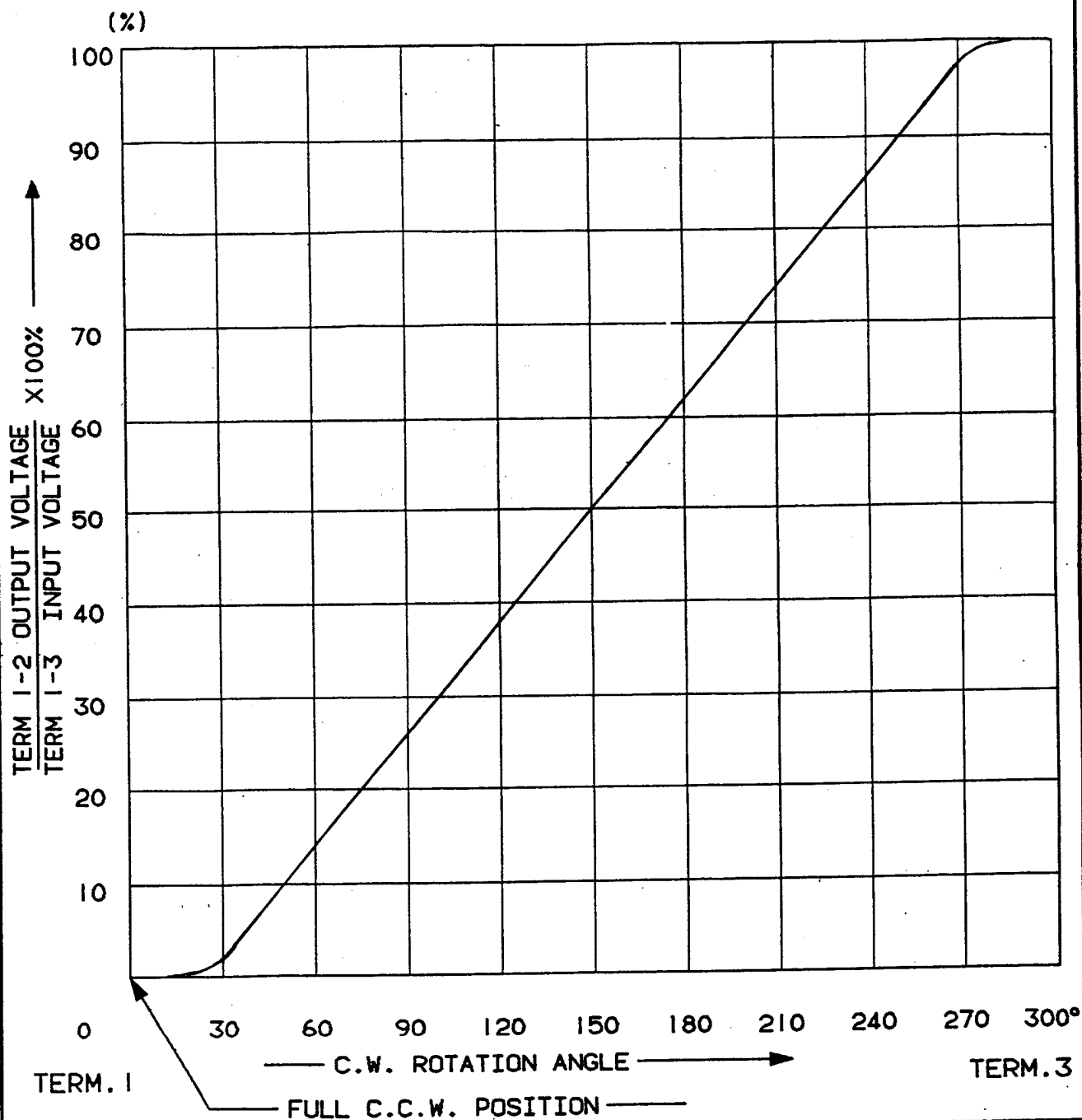
1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature: -10℃ ~ +70℃
3. Storage temperature: -20℃ ~ +80℃
4. This type is protected against sulfides.

ALPS ELECTRIC CO., LTD.				
SYMB	DATE	APPD	CHKD	DSGD
				
			TITLE _____	
			DOCUMENT NO. 5K272A000G	



ALPS ELECTRIC CO., LTD

1-7 YUKIGAYA OTSUKA-CHO OTA-KU TOKYO JAPAN

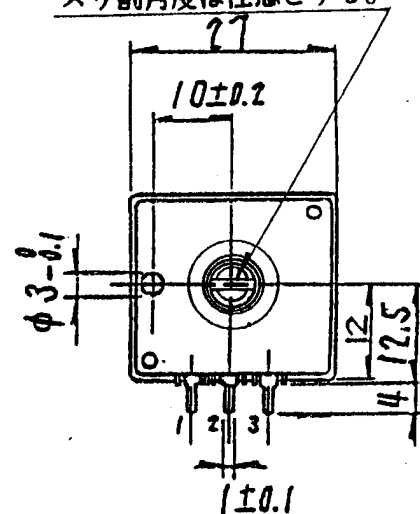


AT 150° C.W. SHAFT ROTATION FROM FULL C.C.W. POSITION, VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 40 - 60 PERCENT.

TONE

Original	80-09-13	S.S.	Y.O.	APPD.	UNIT	DOCUMENT NO.
SYMB	DATE	APPD	CHKD	DSGD	m m	HSB01
				DSGD	SCALE	
				CHKD.	UNIT	TITLE
						RESISTANCE TAPER
				W. Sasaki May 18 '96		

OR

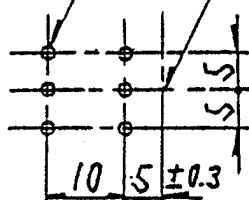


TOLERANCE ± 0.1
VIED FROM MOUNTING SIDE

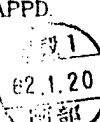
許容差 ± 0.1

6 - $\phi 1.2^{+0.2}_0$ HOLES

取付面 MOUNTING SURFACE



許容差の指定なき寸法の公差	
TOLERANCES UNLESS OTHERWISE SPEC	
BASIC DIMENSIONS	TOLERANCE
$L \leq 10$	± 0.3
$10 < L < 100$	± 0.5
$100 \leq L$	± 0.8
角度 ANGULAR DIMENSION	$\pm 5^\circ$

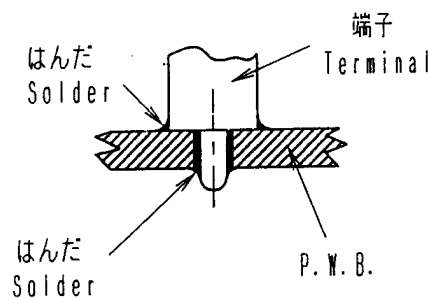
PART NO.		NAME			MATERIAL NAME & CODE		FINISH		22.7g		
					 ALPS ELECTRIC CO., LTD.						
					 UNIT mm		 SCALE				
					APPD. 		CHKD. 		DSGD. 		
					1 62.1.20 同部		W 1 62.1.20 佐藤		1軸2連小型 デテントVR組立図 DOCUMENT NO. K272A004D		
SYMB.		DATE		APPD.		CHKD.		DSGD.		1989. 4. 4	

< はんだ付け時の注意事項 >

図のようにP. W. B.の上面に はんだ付けをする配線は、
お避け下さい。

Caution for soldering

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



					ALPS ELECTRIC CO., LTD.	
					APPRO. 1-設1 96.1.11 吉岡	CHKD. 1-設1 96.1.11 佐藤
					DSGD. 1-設1 96.1.11 大矢	TITLE
					DOCUMENT NO. 4K-1	
SYMB	DATE	APPD	CHKD	DSGD		

OR