

DISTRIBUTOR:
albs-Alltronic
D-75443 Oetisheim
Tel.: +49 7041 96160
www.albs.de

No. KK-99-6118

Date: Mar. 08, 1999

Attention:

Your ref. No:

Your Part. No: **401789**

SPECIFICATIONS

ALPS:

MODEL RK27114A0
(10kDx4)

Spec. No. :

Sample No. : G3669423M

RECEIPT STATUS

RECEIVED

By. Date

Signature

Name

Title

ALPS ELECTRIC CO., LTD.

HEAD OFFICE
1-7, YUKIGAYA-OHTSUKA-CHO,
OHTA-KU, TOKYO 145-8501 JAPAN

DSG'D *Yangushi*

APP'D *Y. Ohta*

Sales

SPECIFICATIONS

1. THIS SPECIFICATIONS APPLY TO RK27114A0 POTENTIOMETERS.

2. CONTENTS OF THIS SPECIFICATIONS.

4K274A0131
K274A0023
4K-1

3. MARKING

· MARKING ON ALL UNITS
DATE CODE, RESIST. VALUE, TAPER

4. REMARKS

· FURNISH PACKAGE
NUT: 1, WASHER: 1
· NOTES

· Marking $\Rightarrow$ in specifications shows standard and condition for application.

CLASSNO.

TITLE

SPECIFICATIONS

Electrical specifications

10 kΩ

1.Total resistance : Nominal total resistance ± 20%(10kΩ ≤ R ≤ 2MΩ)

2.Rated voltage : 30V A.C. This potentiometer is designed for A.C. only.

3.Resistance taper : See (HSD02)

4.Maximum attenuation level at full C.C.W. position :

Nominal total resistance	Attenuation level
R ≥ 100kΩ	100 dB min.
100kΩ > R ≥ 50kΩ	90 dB min.
50kΩ > R ≥ 10kΩ	80 dB min.

5.Insertion loss at full C.W. position : 0.1 dB max.

6.Sliding noise : Less than 47 mV.(Measured by JIS C 6443.)

7.(Neglected a impulsive noise at the C.W. and C.C.W. ends of position.)

7.Insulation resistance : More than 100MΩ at 500V D.C.

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

9.Gang error :

Nominal total resistance	Gang error
R ≥ 100kΩ	5dB max. between - 80dB less than - 70dB 3dB max. between - 70dB less than - 60dB 2dB max. between - 60dB ~ 0dB
100kΩ > R ≥ 50kΩ	3dB max. between - 70dB less than - 60dB 2dB max. between - 60dB ~ 0dB
50kΩ > R ≥ 20kΩ	3dB max. between - 60dB less than - 50dB 2dB max. between - 50dB ~ 0dB
20kΩ > R ≥ 10kΩ	3dB max. between - 60dB less than - 40dB 2dB max. between - 40dB ~ 0dB

Measure between (R1, R2)
(R3, R4)
(term 1-2 output V)
(term 1-3 input V)

CLASSNO.

TITLE

SPECIFICATIONS

MECHANICAL specifications

1.Total rotational angle : 300° ± 3°

2.Rotational torque : 80 ~ 350 gf.cm (Rotational speed 60°/sec.) (at 20°C)

3.Stopper strength : No damage with an application of 9 kgf.cm.

4.Resistance to soldering heat :

After soldering (less than 350 °C and within 5 seconds)

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 15 kgf cm.
*Pay attention otherwise the strength may not be assured.

6.Push / pull strength :

No damages with an application of push or pull force 10 kgf for 10 sec.

Endurance specifications

1.Rotational life : 15,000 cycles min.

Note

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

CHASSIS

REL-NUT

1 MIN

APPR.

CHKD.

ISSD.

TITLE

Mar 8 '99

409

409

409

DATE

APPR.

CHKD.

ISSD.

STATUS

409

409

409

DOCUMENT NO.

4K274A0131

ALPS ELECTRIC CO., LTD.

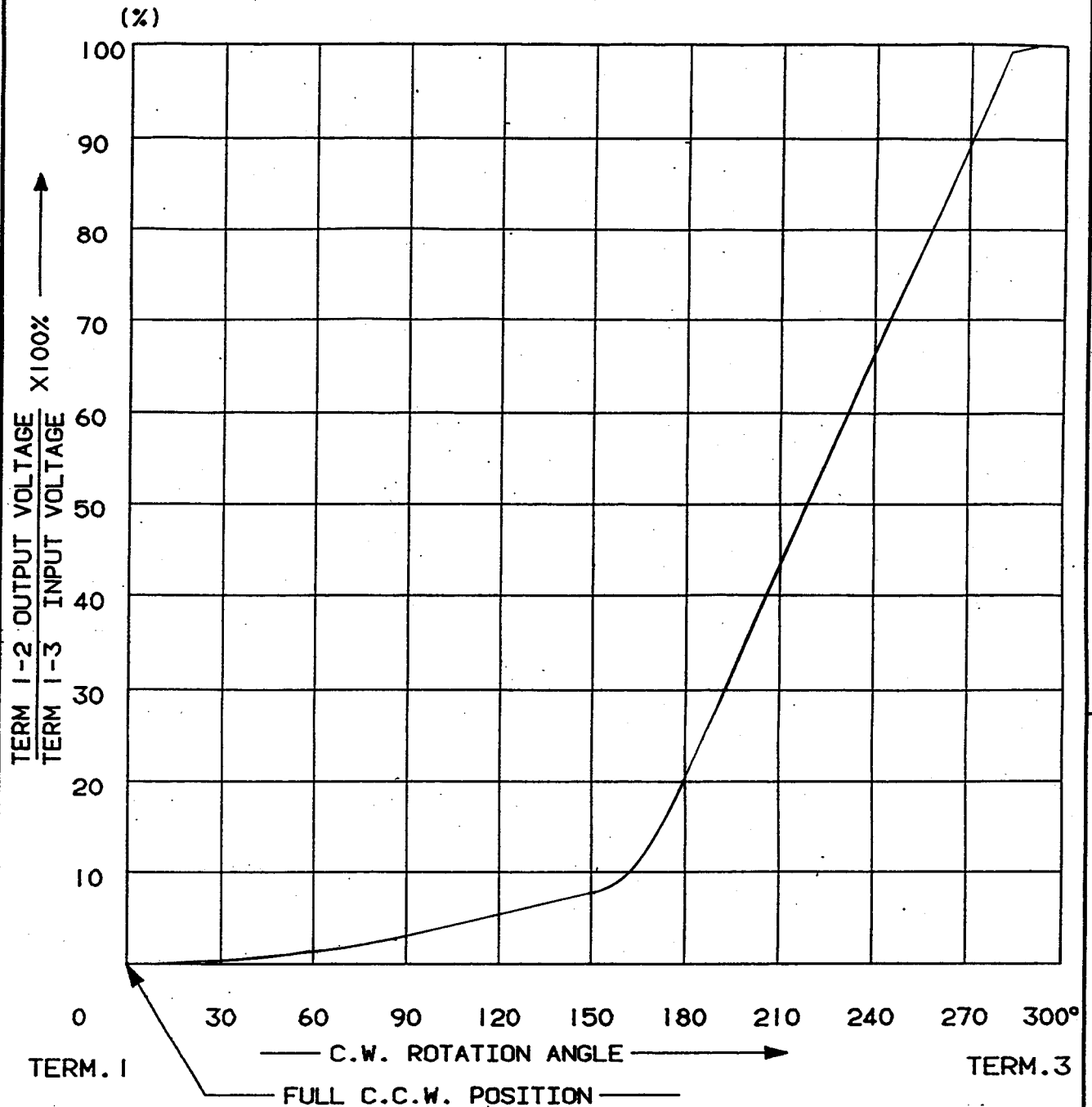
OR

(規格・仕様書用紙) W7306 A 4 63.7 2,000



ALPS ELECTRIC CO., LTD

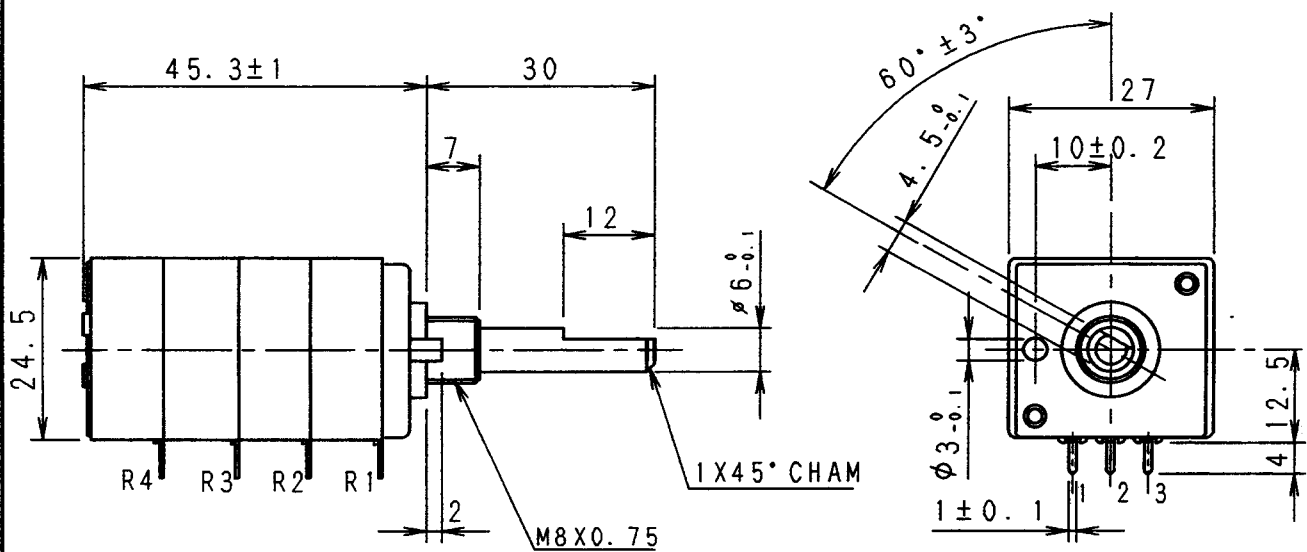
1-7 YUKIGAYA OTSUKA-CHO OTA-KU TOKYO JAPAN



AT 150° C.W. SHAFT ROTATION FROM FULL C.C.W. POSITION, VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 2 - 15 PERCENT.

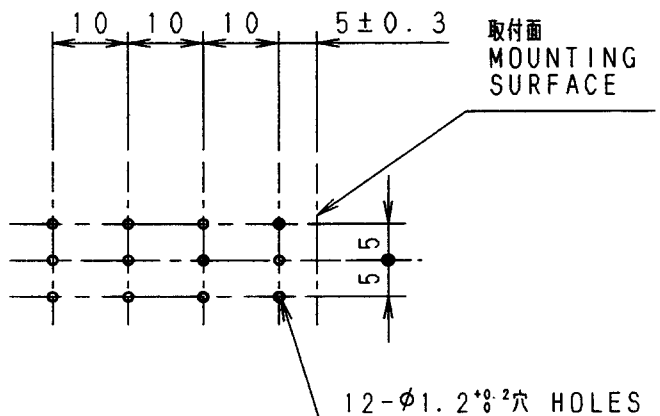
DSGD	K. Chonan Jan. 22 '96		SCALE	
CHKD.	N. Sasaki Jan. 22 '96			TITLE RESISTANCE TAPER
APPD.	Y. Ohno Jan. 22 '96		UNIT mm	DOCUMENT NO. HSD02
SYMB	DATE 82-05-27	APPD S.S.	CHKD H.S.	DSGD

OR



上図は 軸を反時計方向に
回しきった状態を示す
SHAFT SHOWN IN FULL
C. C. W. POSITION

取付穴寸法図許容差±0.1
挿入側よりみた図
P. W. B. MOUNTING DETAIL
TOLERANCE 0.1
VIEWED FROM MOUNTING SIDE



指定なき部分の許容差 TOLERANCES UNLESS OTHERWISE SPEC	
$L \leq 10$	±0.3
$10 < L < 100$	±0.5
$100 \leq L$	±0.8
角度 ANGULAR DIMENSION	±5°

PART NO.		NAME		MATERIAL NAME / CODE		FINISH	
DSGD. 1-セッケイ 906011				SCALE 1:1		NO.	
Y. SAITOH 95-10-17							
CHKD. <i>M. Saitoh</i> 95-10-17				UNIT		TITLE FIGURE	
APPD. <i>Y. Saitoh</i> 95-10-17				mm		27形1軸4連VR組立図	
SYMB				DATE		DOCUMENT NO.	
						K274A0023	

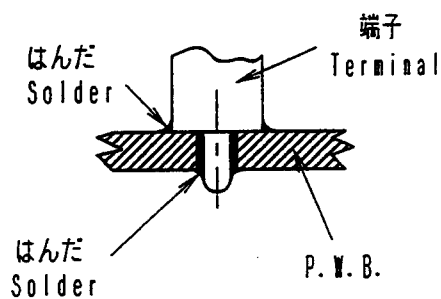
OR

< はんだ付け時のご注意事項 >

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-監1 96.1.11 吉岡	CHKD. 1-監1 96.1.11 佐藤	DSGD 1-監1 96.1.11 天矢	TITLE —	
					DOCUMENT NO. 4K-1				
SYMB	DATE	APPD	CHKD	DSGD					