Customer: AEE DISTRIBUTOR

No. FX-97-2272

Date: May. 15, 1997

Attention:

Your ref. No:

Your Part. No: STRK14K18

SPECIFICATIONS

ALPS';

MODEL RK14K1220 (100kA X2)

Spec. No. :

Sample No. : G1800115M

RECEIPT STATUS

RECEIVED

By. Date

Signature

Name

Title

ALPS ELECTRIC CO., LTD.

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

DSG'D K. Abe

APP'D R. Umemori

ENG. DEPT. DIVISION

Sales

No. FX-97-2272

SPECIFICATIONS

1.THIS SPECIFICATIONS APPLY TO RK14K1220 POTENTIOMETERS.

2.CONTENTS OF THIS SPECIFICATIONS.

G18001115M
K142COZ21

3.MARKING

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

4.REMARKS

·FURNISH PACKAGE
NUT: 0, WASHER: 0
· NOTES

·This unit uses polycarbonate.To be careful for using this unit in such violent gas atmospheric condition as ammonia,amine,alkaline aqueous solution,aromatic hydrocarbon,keton,ester,alkyl hydrocarbon, etc.

SPECIFICATIONS

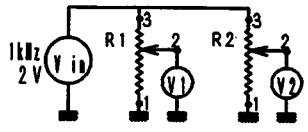
ELECTRICAL

1. Total resistance : 100 kΩ ±20%
2. Rated power : 0.05 W
3. Rated voltage :
   The rated voltage shall be the voltage of A.C. (commercial frequency, effective value) corresponding to the rated power (dissipation), and be obtained from the following formula. When the obtained rated voltage exceeds the maximum working voltage given in the following, however, the maximum working voltage of the following shall be the rated voltage.

   $$E = \sqrt{P \cdot R} \ (V)$$

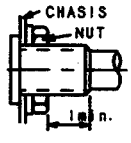
   Where E : Rated voltage (V)
   P : Rated power (dissipation) (W)
   R : Nominal total resistance (Ω)

   Maximum working voltage : 50 V A.C. This potentiometer is disigned for A.C. only.
4. Resistance taper : A
5. Residual resistance between term. 1&2, 2&3 : 0.1% max. of nominal total resistance
6. Sliding noise : Less than 100 mV. (Measured by JIS C 6443)
7. Insulation resistance : More than 100 MΩ at 250V D.C.
8. Withstand voltage: 300V A.C. for one mimute.
9. Gang error : 2 dB max. at 150°



MECHANICAL

1. Total rotational angle : 300°±5°
2. Rotational torque : 30~200 gf·cm (Rotational speed 60°/sec.)
3. Resistance to soldering heat :
   After soldering (Less than 300°C and within 3 seconds) there shall be no evidence of poor contact between resistance element and terminals, or any physical damages as a result of the test.
4. Stopper strength : 6kgf·cm min. (figures at break)
5. Robustness after soldering resistor shaft against end thrust and pull force :
   After installing the potentiometer, the shaft shall withstand against end thrust and pull force of more than 8 kgf.
6. Robustness at shaft against side thrust :
   After installing the potentiometer, the shaft shall withstand against side thrust of more less than 3 kgf on the end of the shaft at right angles to the axis of the shaft.
7. Shaft play :
   After installing the potentiometer, the resistor shall be mounted by soldering the mounting legs on the panel. When a side thrust of 500 gf·cm shall be applied at the end of the shaft, the total shaft play shall not exceed 0.7XL/30 mm p-p. (L:Shaft length)
8. Bushing nut tightening strength :Tightening torque to be no greater than 10Kgf·cm.
   Pay attention otherwise the strength may not be assured.



ENDURANCE

1. Rotational life : 15,000 cycles min.

NOTE

1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature :-10°C~+60°C. 3. Storage temperature :-30°C~+70°C.

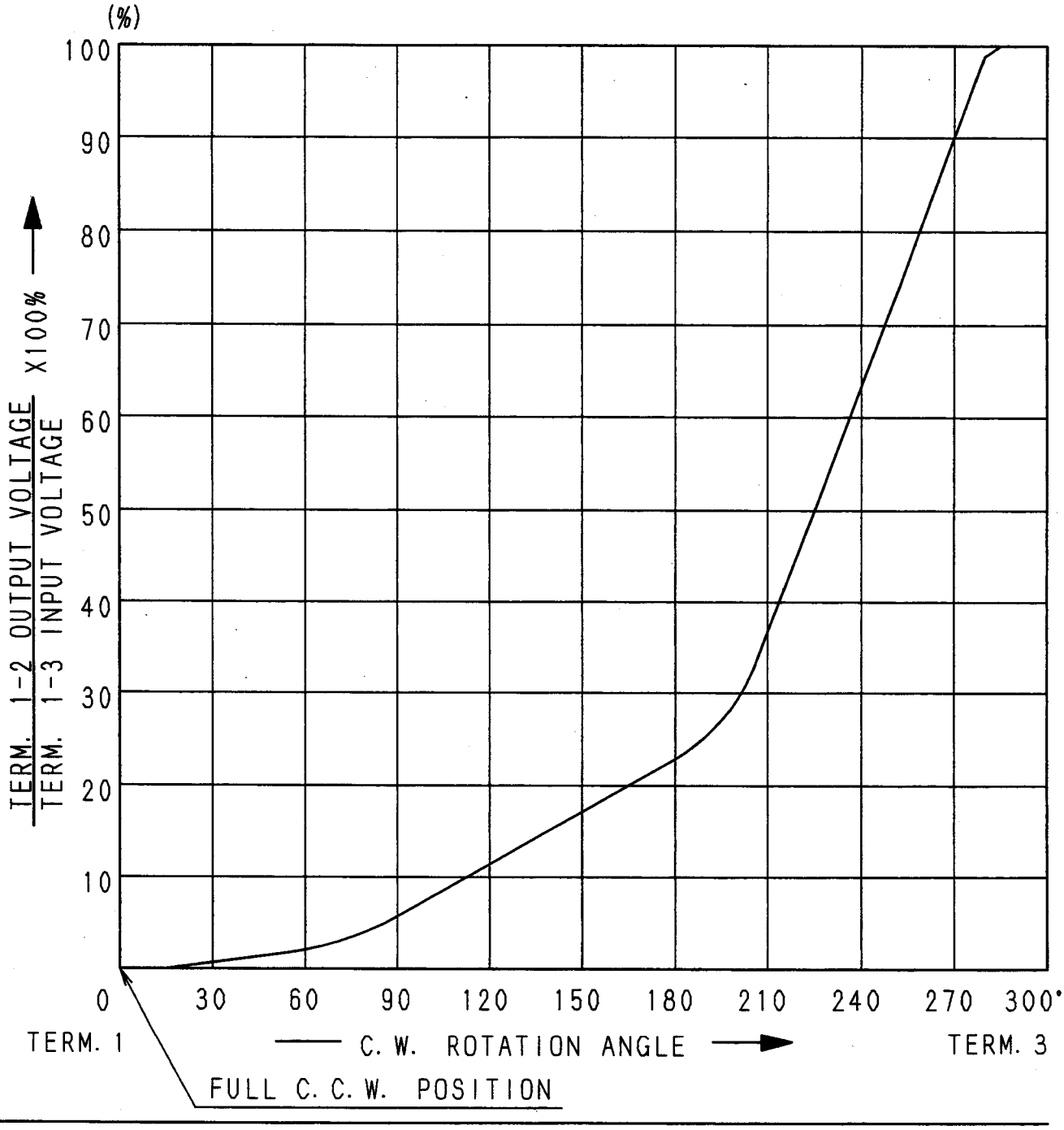
SYMB	DATE	APPD	CHKD	DSGD

ALPS ELECTRIC CO., LTD.

APPD.	CHKD.	DSGD.	TITLE
oct. 01, '92	oct. 01, '92	oct. 01, '92	G1800115M
S. Aizawa	M. Satoh	S. Sugawara	DOCUMENT NO.

FX2

ALPS ELECTRIC CO., LTD
1-7 YUKIGAYA OTSUKA-CHO OTA-KU TOKYO JAPAN

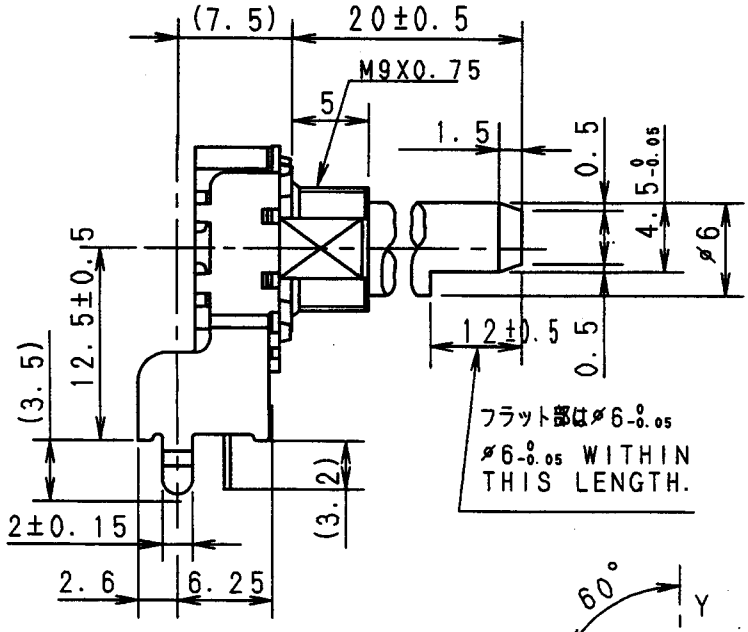


AT 150° C. W. SHAFT ROTATION FROM FULL C. C. W. POSITION VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 10~25 PERCENT.

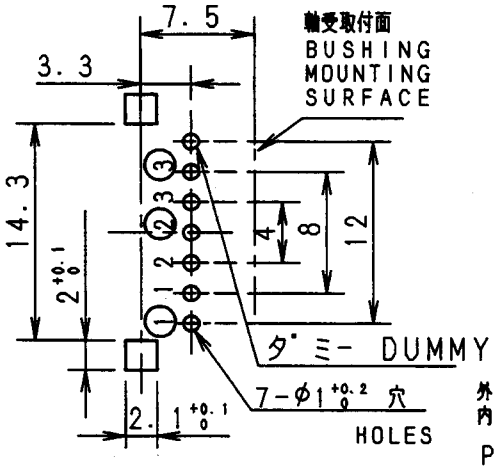
SYMB	DATE	APPD	CHKD	DSGD

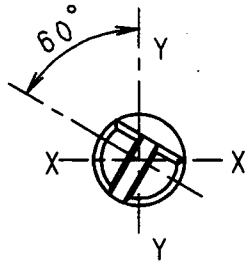
APPD.	CHKD.	DSGD.
may. 27, '92	may. 27, '92	may. 27, '92
M. Inoue	K. Nagami	S. Sasaki

NAME: RESISTANCE TAPER
A
DOCUMENT NO.: G1800115M

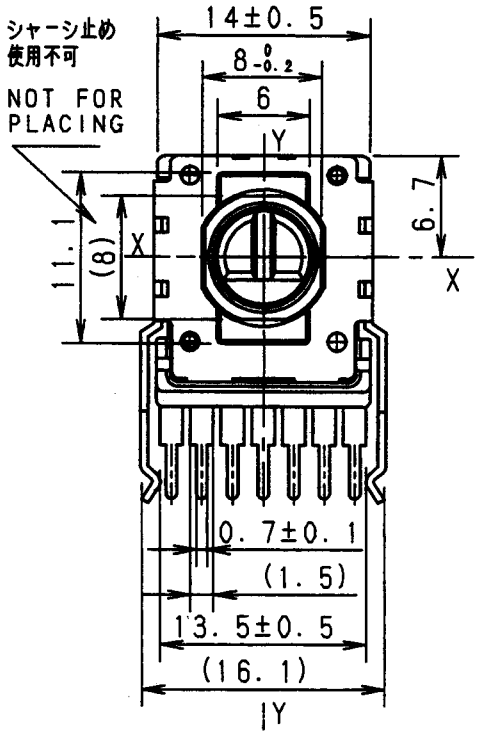


取付穴寸法図（公差±0.1）
＊挿入側からみた図
P.W.B. MOUNTING DETAIL
(TOLERANCE±0.1)
VIEWED FROM MOUNTING SIDE





軸は反時計方向に
回しきった状態を示す
SHAFT SHOWN
IN FULL C.C.W.
POSITION.



軸はセンター位置又は
センタークリック位置を示す
SHAFT SHOWN IN
CENTER POSITION.
OR CENTER CLICK
POSITION

外側 OUTER R1 ①②③
内側 INNER R2 1 2 3

P.W.B. 板厚 T=1.6

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

PART NO.	NAME	MATERIAL NAME / CODE	FINISH
—	—	—	—

SYMB	DATE	APPD	CHKD	DSGD

ALPS ELECTRIC CO., LTD.

DSGD. 1-設計1課 Y. SAITOH '94-07-20	SCALE 2 : 1	G1800115M
CHKD. M. SATOH '94-07-20		TITLE FIGURE 14形1軸2連絶縁軸ボリューム組立図
APPD. R. ARASAWA '94-07-20	UNIT m m	DOCUMENT NO. K142C0Z21 F03