

Customer: AEE-DS

No. FX-1999-4817

Date: Dec. 13, 1999

Attention: _____

Your ref. No: _____

Your Part. No: 401834

SPECIFICATIONS

ALPS';

MODEL RK11K1140A23
(10k B)

Spec. No. : _____

Sample No. : G4515381M

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 M. Sato

APP'D M. Sato

Sales _____

SPECIFICATIONS

1. THIS SPECIFICATIONS APPLY TO RK11K1140A23 POTENTIOMETERS.

2. CONTENTS OF THIS SPECIFICATIONS.

G4515381M
K111H0Z02

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

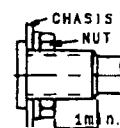
ELECTRICAL

1. Total resistance : 10k Ω \pm 20%
2. Rated power : 0.05 W
3. Rated voltage :
 The rated voltage shall be the voltage of D.C. or 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.

$$E = \sqrt{P \cdot R} \text{ (V)}$$
 Where E : Rated voltage (V)
 P : Rated power(dissipation) (W)
 R : Nominal total resistance (Ω)
 Maximum working voltage : 50 V A.C. , 20 V D.C.
4. Resistance taper : B
5. Residual resistance between term. 1&2, 2&3 : 20 Ω max.
6. Sliding noise : Less than 100 mV. (Measured by JIS C 6443)
7. Insulation resistance : More than 100 M Ω at 500V D.C.
8. Withstand voltage: 500V A.C. for one minute.

MECHANICAL

1. Total rotational angle : 300 $^{\circ}$ \pm 5 $^{\circ}$
2. Rotational torque : 3~20 mN·m (Rotational speed 60 $^{\circ}$ /sec.)
3. Resistance to soldering heat :
 After soldering (Less than 300 $^{\circ}$ 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 : No damage with an application of 0.6 N·m.
5. Robustness after soldering resistor shaft against end thrust and pull force :
 With the potentiometer mounted, no damage with 80N of push and pull force.
6. Robustness at shaft against side thrust :
 With the potentiometer mounted, no damage with 30N of thrust force to the shaft top.
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 50mN·m 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 1N·m.
 Pay attention otherwise the strength may not be assured.



ENDURANCE

1. Rotational life : 15,000 cycles min.

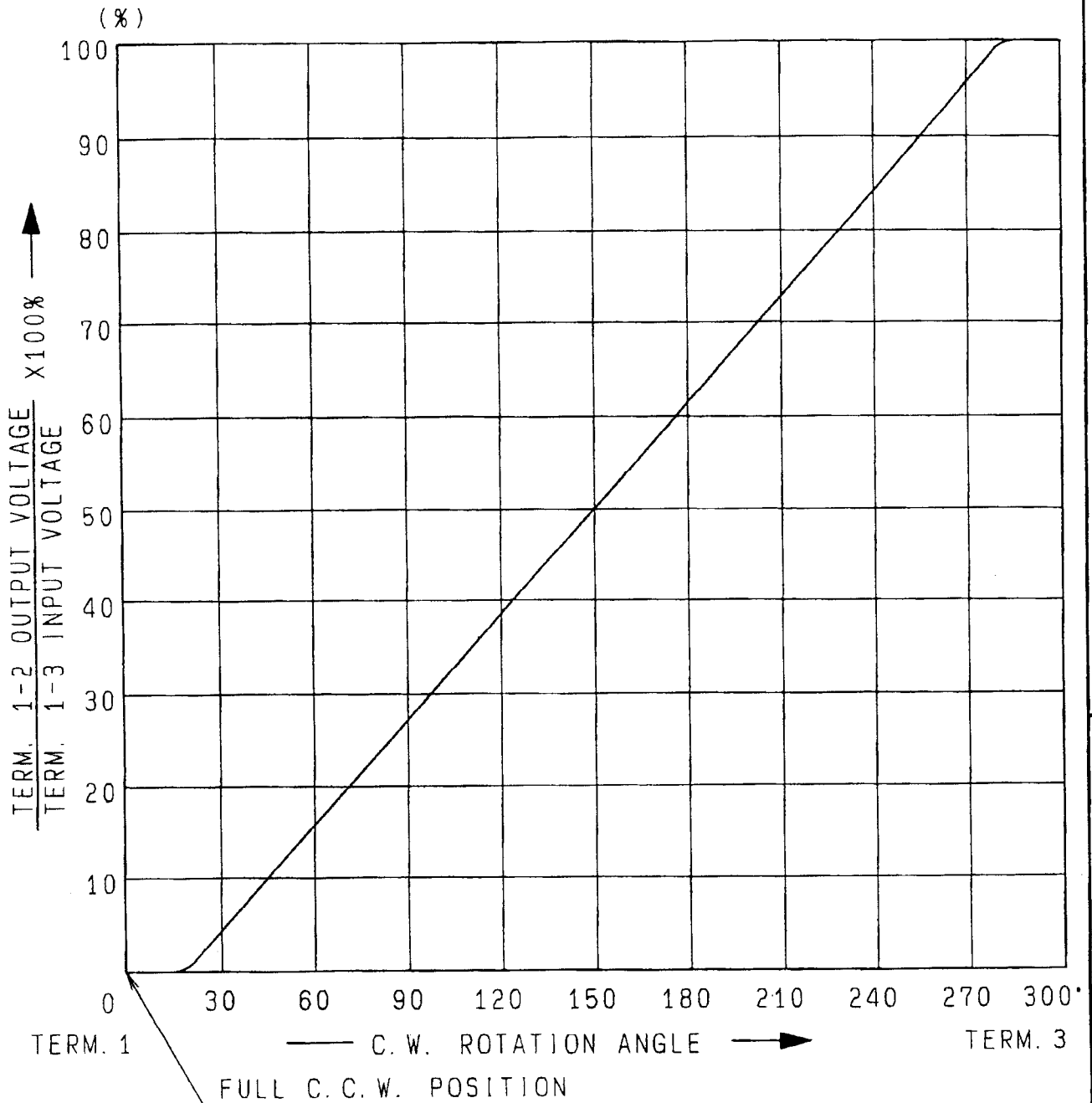
NOTE

1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature : -10 $^{\circ}$ C~+60 $^{\circ}$ C. 3. Storage temperature : -30 $^{\circ}$ C~+70 $^{\circ}$ C.

ALPS ELECTRIC CO., LTD.					
		APPD.	CHKD.	DSGD.	TITLE
		Oct. 01, '92	Oct. 01, '92	Oct. 01, '92	G 4 5 1 5 3 8 1 M
		S. Aizawa	M. Satoh	S. Sugawara	DOCUMENT NO.
SYMB	DATE	APPD	CHKD	OSGD	



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.

					APPD.	CHKD.	DSGO.	NAME	B01
					may. 27. '92	may. 27. '92	may. 27. '92	RESISTANCE TAPER	
SYMB	DATE	APPD	CHKD	DSGD	M. Inoue	K. Magami	S. Sasaki	DOCUMENT NO.	G4515381M

