

Att James Scott

Customer:

No. KX-97-1786

Date: Feb. 19, 1987

Attention: _____

Your ref. No: _____

Your Part. No: 29 0016 - 1191741

SPECIFICATIONS

ALPS:

MODEL 29 0016

Spec. No. : _____

Sample No. : W1011762M

RECEIPT STATUS							
RECEIVED							
By.	Date _____						
Signature _____	<table border="1"> <tr> <td>DELTRON UK</td> </tr> <tr> <td>ROXBURGH HOUSE</td> </tr> <tr> <td>FOXHILLS INDUSTRIAL PARK</td> </tr> <tr> <td>SCUNTHORPE</td> </tr> <tr> <td>NORTH LINCOLNSHIRE</td> </tr> <tr> <td>DN15 8QJ</td> </tr> </table>	DELTRON UK	ROXBURGH HOUSE	FOXHILLS INDUSTRIAL PARK	SCUNTHORPE	NORTH LINCOLNSHIRE	DN15 8QJ
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ROXBURGH HOUSE							
FOXHILLS INDUSTRIAL PARK							
SCUNTHORPE							
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DN15 8QJ							
Name							
Title							

ALPS ELECTRIC CO., LTD.

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

DSG'D A. Hamura

APP'D Y. Ohta

ENG. DEPT. DIVISION

Sales

SPECIFICATIONS

1. THIS SPECIFICATIONS APPLY TO RK09K1130 . POTENTIOMETERS.

2. CONTENTS OF THIS SPECIFICATIONS.

W1011762M
R0910024G

3. MARKING

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

4. REMARKS

• NOTES

• METHOD OF MARKING
TO BE STAMPED WITH BLACK INK OR LASER MARKING
• This unit uses polycarbonate. To be careful for using this unit in such violent
as atmospheric condition as ammonia, amine, alkaline aqueous solution, aromatic
hydrocarbon, keton, ester, alkyl hydrocarbon, etc.

SPECIFICATIONS

ELECTRICAL

1. Total resistance : 10 k 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. Residual resistance between terminals
 between term. 1&2, term. 2&3 : 300 Ω max.
5. Sliding noise : Less than 100 mV measured by method of JIS C 6443.
6. Insulation resistance : Greater than 100 M Ω measured by D.C. 250V.
7. Withstand voltage: More than 1 minute with an application of A.C. 250 V.
8. Taper : B

MECHANICAL


1. Overall rotational angle : 280° \pm 5°
2. Operation torque : 10~80 gf·cm
3. Shaft end stop strength : 3 Kgf·cm MIN.
4. Starting torque : 100 gf·cm MAX.
5. Resistance to soldering heat :
 After soldering (Less than 300°C and quicker than 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.
6. Play of shaft :
 The resistor shall be mounted by soldering the mounting legs on the panel, and a side thrust of 250 gf·cm at the end of the shaft shall be applied, then the total play of the shaft shall not exceed 0.5 × L / 20 mm p-p.
7. Eccentricity of shaft :
 The eccentricity of the root of shaft shall not exceed 0.35mm against the center of the mounting position.
8. Robustness of shaft against end thrust :
 The shaft shall withstand against end thrust of not less than 5 Kgf for 3 seconds.
9. Robustness of shaft against side thrust :
 The shaft shall withstand against side thrust of not less than 4 Kgf·cm for 3 seconds on the end of the shaft at right angles to the axis of the shaft after mounting the resistor by soldering.

ENDURANCE

1. Rotational life : 5,000 cycles min.

NOTE

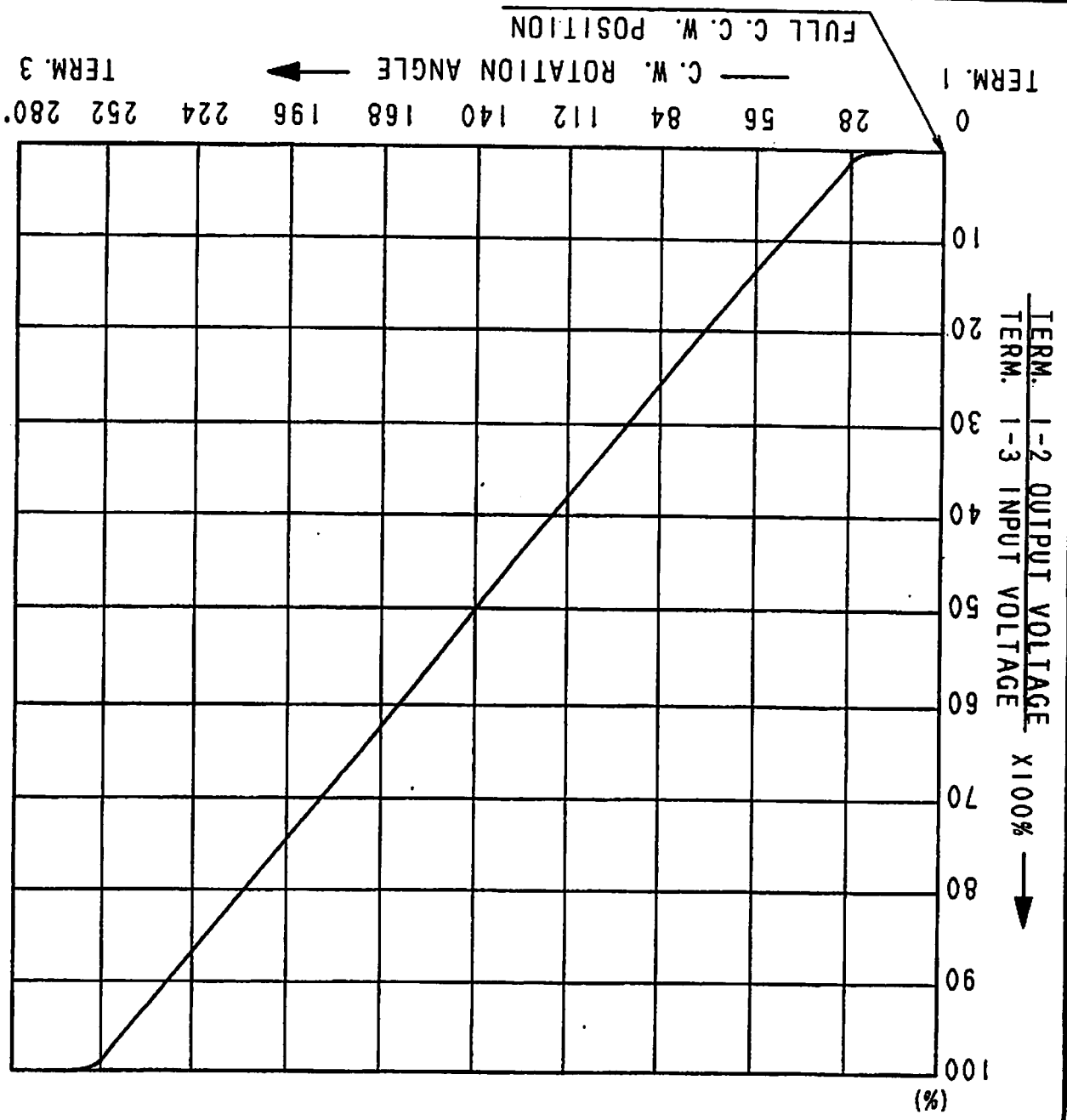
1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature : -10°C ~ +60°C. 3. Storage temperature : -30°C ~ +70°C.

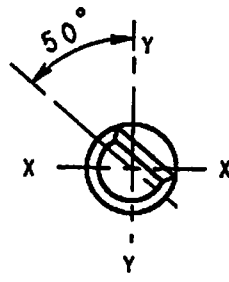
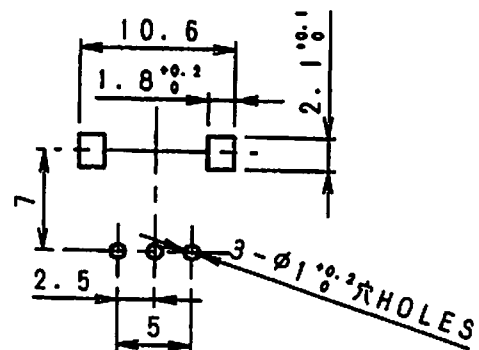
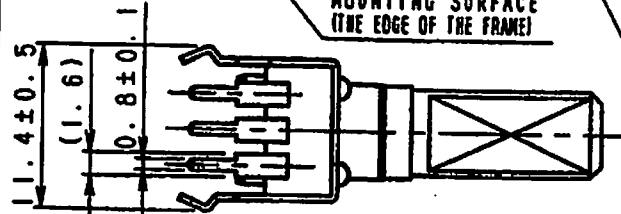
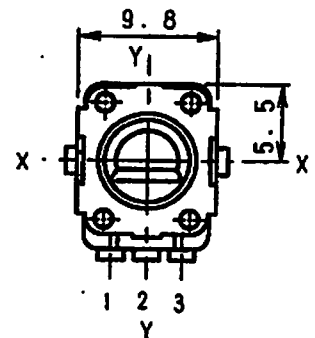
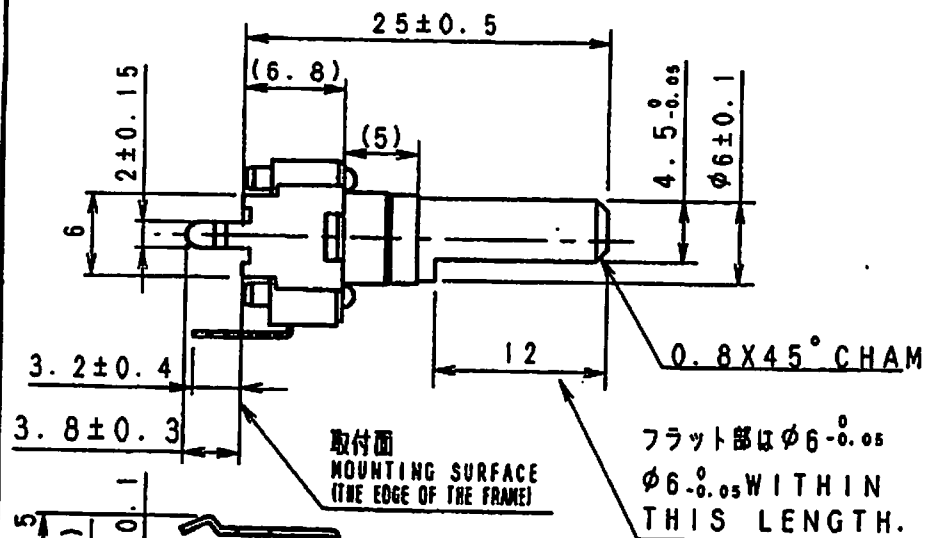
 ALPS ELECTRIC CO., LTD.									
		APPD.	CHKD.	DSGD.	TITLE				
		Sep. 13. '96	Sep. 13. '96	Sep. 13. '96					
		S. Aizawa	M. Satoh	Y. Saitoh	DOCUMENT NO.				
SYMB	DATE	APPD	CHKD	DSGD	W1011762M				

KX09

SYMB	DATE	APPD	CHKD	OSGD	K. Hara	K. Sasaki	K. Suzuki	W1011762M
					APPD.	CHKD.	OSGD.	DOCUMENT NO.
					Jan. 13, '93	Jan. 13, '93	Jan. 13, '93	RESISTANCE TAPER (B)
								NAME

AT 140° C. W. SHAFT ROTATION FROM FULL C. W. POSITION VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 40~60 PERCENT.





軸はセンター位置を示す。
SHAFT SHOWN IN CENTER POSITION.

軸は反時計方向に回し切った状態を示す。
SHAFT SHOWN IN FULL C. C. W. POSITION.

製品重量: 1.8 g
NET WEIGHT

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		SHAFT COLOR : BLACK (B)	
						FINISH	
ALPS ELECTRIC CO., LTD.							
DSGD. 1-設計 Y. Saitoh 96-09-13				SCALE 2 : 1		WI011762M	
CHKD. Y. Saitoh 96-09-13				UNIT III III		TITLE 9形1軸単速絶縁軸VR	
APPD. S. Aizawa 96-09-13						DOCUMENT NO. F18	
SYMB	DATE	APPD	CHKD	DSGD	K091C0Z4G		

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