

Customer: ALGE GERMAN DISTRIBUTER

No. SSV2004-3976

Date: Sep. 13, 2004

Attention:

Your ref. No.:

Your Part No.: 402181

SPECIFICATIONS

ALPS';

MODEL: RS6011266
(100kB X2)

Spec. No.:

Sample No.: F 1 8 1 2 4 3 9 M

RECEIPT STATUS
RECEIVED
By Date _____
Signature _____
Name _____
Title _____



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

DSG'D *M. Sato*

APP'D *S. Sato*
ENG. DEPT. DIVISION

Sales

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

1. THIS SPECIFICATIONS APPLY TO RS6011266 POTENTIOMETER.

2. CONTENTS OF THIS SPECIFICATIONS.

F1812439M

4S0001-200, 4S0001-201

S6028P623A

3. MARKING

• MARKING ON ALL UNITS

DATE CODE, RESIST. VALUE, TAPER

• CAUTION

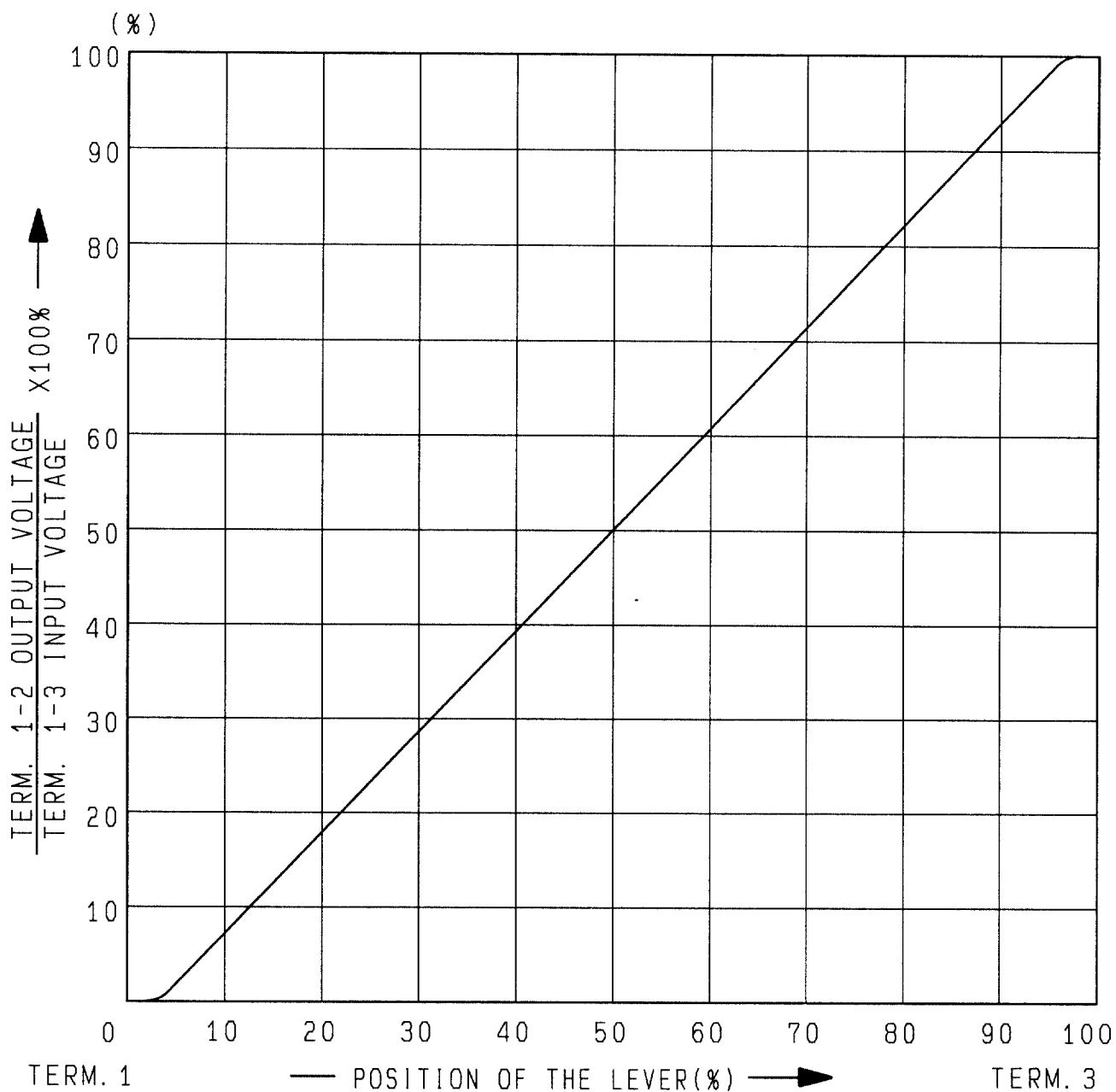
Regardless of the suggested applications of these products being introduced in the specifications, when using them for equipment and devices requiring a high degree of safety, respective manufacturers will please preserve safety of the planned equipment and devices by providing necessary protective circuits 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.



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



AT 50% TRAVEL FROM TERM. 1 VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 40~60 PERCENT.

					APPD. <i>Apr. 01. '96</i>	CHKD.	DSGD. <i>Apr. 01. '96</i>	NAME 60mm TRAVEL TYPE B RESISTANCE TAPER
					<i>S. Sasaki</i>		<i>K. Matsukawa</i>	DOCUMENT NO. F1812439M
SYMB	DATE	APPD	CHKD	DSGD				(3/3)

ご使用上の注意

PRECAUTION IN USE

1. 偏心ツマミをご使用になる場合

レハ^{*}の中心より離れたところを作用点としてご使用になる場合、可能な限り
下図A寸法を短くしてご使用下さい。

If it will be used the operating point away from the center line of the lever, it should be shorter as possible.

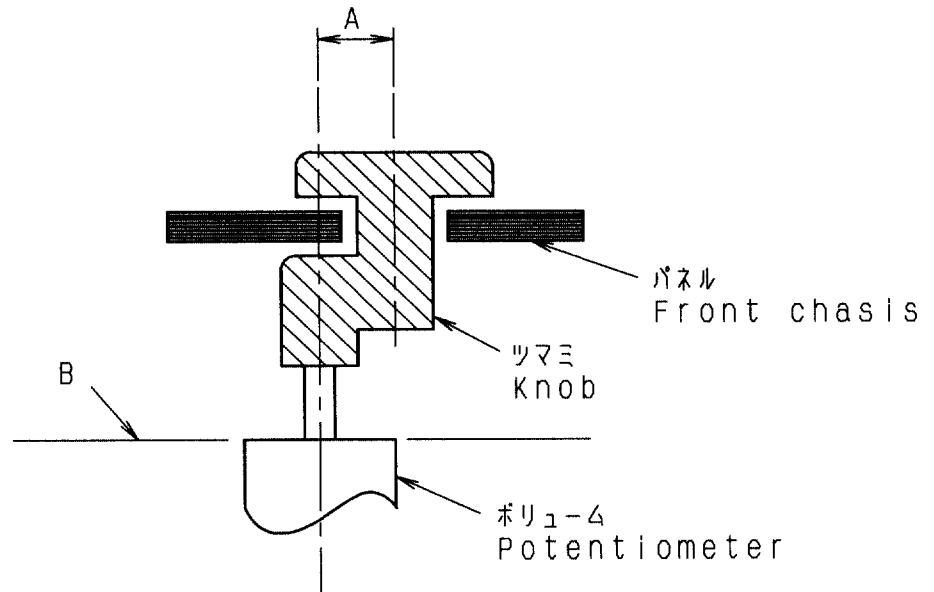
2. レハ^{*} - 長さについて

レハ^{*} - 長さについては、ツマミを含めて、下図B面より極力短いものをご使用願います。レハ^{*} - 長さについては、作用点までの距離が短いほどしゅう動感が良好となり、長いほど好ましくない感触になります。

About the length of lever

If conditions permit, it is advisable to use the shortest possible lever.

The longer the length up to operating point, the more unfavorable slide feeling will be given.



3. レハ^{*}の駆動に関しては上記内容を考慮の上、セット実装を行い

あらかじめ異常のないことをご確認願います。

Regarding the operation of the lever, please consider the above mentioned, and make sure nothing is wrong with the operation under installing in your appliance that you plan to use our products actually.

4. ツマミ挿入及びレハ^{*}操作は、ホ^{*}リウムマウント基板に

ソリ(曲がり)のない状態で行って下さい。

Knob assembly on the lever and functioning the lever to be performed under the condition of P.C.B. without warp.

					ALPS ALPS ELECTRIC CO., LTD.				
					APPD.	CHKD.	DSGD.	TITLE	スライト [*] ホ [*] リウム 仕様書
					PD1-ENG1 '95.7.24 YOSIOKA	PD1-ENG1 '95.7.24 KINURA	PD1-ENG1 '95.7.24 Y. SAITOH	SPECIFICATIONS	
ORIGINAL	'91-7-3	Y·Y	K·N	S·A				DOCUMENT NO.	450001-200
SYMB	DATE	APPD	CHKD	DSGD					

はんだ付け条件

FOLLOW THE NEXT CONDITIONS FOR SOLDERING

1. はんだ SOLDER

JIS Z 3282に規定の63% Snはんだを使用
63% Sn solder specified in JIS Z 3282.

2. 使用基板 BOARD IN USE

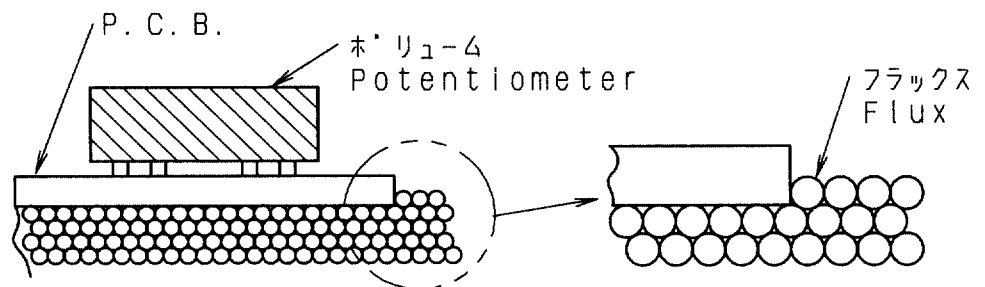
両面スルーホール基板又は、片面銅張積層板 板厚 $t=1.6\text{mm}$
Double-faces through-hole board or single-face
copper laid laminate board.
Plate thickness (t)= 1.6mm

3. 自動はんだ<DIP条件>

- (1)レバ`位置 センター付近に設定願います。
- (2)フラックス比重 0.83 ± 0.01 (発泡式)
- (3)フラックス高さ フ`リント基板の板厚の半分の位置にフラックスの上面が接するレバ`ル(図1)
又、ホ`リウム挿入面への流れ込みのないこと。(フラックス上がり、飛散に注意)
- (4)フ`リヒート温度 100°C max. 時間1分以内。(フ`リント基板のホ`リウム挿入側の温度)
- (5)はんだ温度 260°C max. 時間5秒以内. はんだ回数は1回までとする。

IN THE CASE OF DIP SOLDERING

- (1) State of potentiometer
Position a lever in the vicinity of center.
- (2) Specific Gravity of Flux
 0.83 ± 0.01 (foaming type)
- (3) Height of Flux face
A level of the upper face of flux for reaching
the position at a half of the plate thickness
of printed board. (Fig. 1)
Further, no flow of flux invading on the
surface of printed board on the side of
installing potentiometer is allowed.
- (4) Preheat condition
 100°C max., within 1 minute
(Temperature on the side of installing printed
board is designated.)
- (5) Soldering condition
Solder temperature; 260°C max.
Soldering period ; within 5 seconds
Time of soldering ; only one time is permitted



(Fig. 1)

4. 手はんだ IN THE CASE OF MANUAL SOLDERING

はんだ温度 350°C max. 時間3秒以内 はんだ回数は1回までとする。
Solder temperature ; 350°C max.
Soldering period ; within 3 seconds
Time of soldering ; only one time is permitted

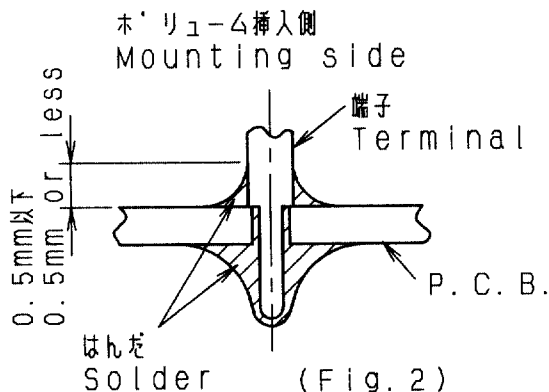
					ALPS ALPS ELECTRIC CO., LTD.					
					APPD.	CHKD.	DSGD.	TITLE スライト`ホ`リウム 仕様書 SPECIFICATIONS 1/2		
					PD1-ENG1 '95.7.24 YOSIOKA	PD1-ENG1 '95.7.24 KJNURA	PD1-ENG1 '95.7.24 Y. SAITOH	DOCUMENT NO.		
ORIGINAL	'91-9-3	Y·Y	S·A	S·S	450001-201					
SYMB	DATE	APPD	CHKD	DSGD						

5. 注意事項

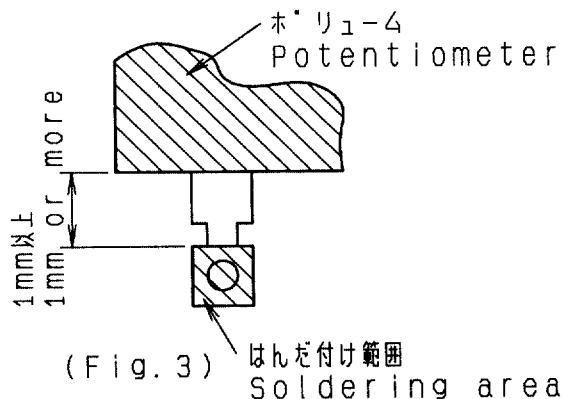
- (1) はんだ付けの際に、端子にストレスを加えないで下さい。例えば、端子に熱を加えたまま製品を動かしますと、かしめ力^{*}及び電気的特性が劣化する恐れがあります。
- (2) 両面スルーホール基板を使用する場合は、ホ^{*}リウム挿入側の端子取付穴に、はんだラント^{*}がないようにご配慮願います。ホ^{*}リウム挿入側での配線が必要な場合は端子取付穴からの直接取り出しを避けスルーホール配線用の穴を設けるなどのご配慮をお願いします。
- (3) ホ^{*}リウム挿入側へのはんだ上がりは、はんだ熱による端子接触不良の発生原因となりますので(図2)を参照願います。
- (4) リート^{*}配線の場合、ホ^{*}リウム本体と、はんだ付け部の距離を1mm以上開けてはんだ付け願います。(図3)
- (5) はんだ付けによるホ^{*}リウムへの影響は、フ^{*}リント基板の大きさ、ホ^{*}リウムの取付け位置、はんだ槽の大きさ、等により異なりますのであらかじめ実使用状態で実施し、異常のないことを確認の上、はんだ付けして下さい。

MATTERS TO BE NOTED

- (1) Do not add any stress on terminals in the case of soldering. For instance, forced movement of potentiometer with terminals being heated may probably deteriorate the electric features due to generation of looseness in connection between resistant board and terminals.
- (2) Avoid use of double-faces through-hole board as much as possible. If it is necessary to use it, do not apply through-hole plating to a hole in which a potentiometer is inserted, and install a land to which terminals are soldered only on a face oppsite to the face on the side of installing potentiometer.
- (3) Use caution to soldering process so as to prevent solder from rising up to the surface of printed board on the side of installing potentiometer, because defective contact may take place in terminal connecting part due to soldering heat. (Fig. 2)
- (4) In the case of lead wiring, solder it so that a gap of 1 mm or more may be reserved between the potentiometer body and soldering part. (Fig. 3)
- (5) The grade of influence of soldering exerted on the potentiometer depends upon the size of a printed board, installing position of the potentiometer, and the size of a solder bath etc. Therefore, make sure, in advance, of no abnormal state under the conditions of soldering to be carried our at present.

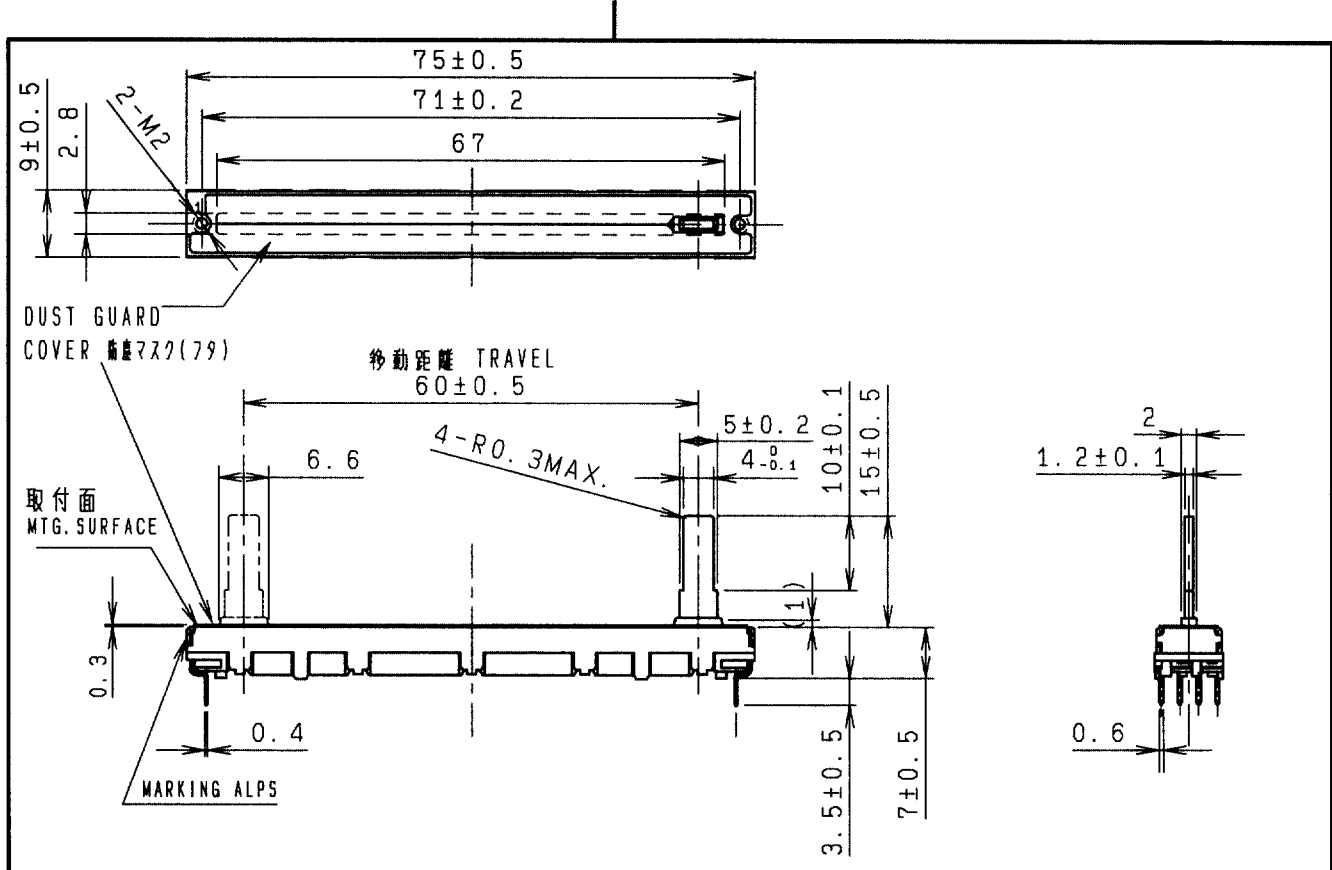


(Fig. 2)



(Fig. 3)

					ALPS ELECTRIC CO., LTD.			
					APPD.	CHKD.	DSGD.	TITLE
					PD1-ENG1 '95.7.24 YOSIOKA	PD1-ENG1 '95.7.24 KIMURA	PD1-ENG1 '95.7.24 Y. SAITOH	スライト [*] ホ [*] リウム 仕様書 SPECIFICATIONS 2/2
ORIGINAL	'91-9-3	Y·Y	S·A	S·S				DOCUMENT NO.
SYMB	DATE	APPD	CHKD	DSGD				450001-201



- NOTES
1. MOUNTING SCREW THREAD LENGTH IS CHASSIS THICKNESS +2mmMAX.
取付用ネジの首下長さは、シャーシ板厚 +2mm以下とする。
 2. TOP SIDE OF KNOB SHALL BE MOUNTED TO LEVER WITHIN 30mm LENGTH FROM LEVER MTG. SURFACE.
取付面からツマミ先端まで 30mm以内でご使用願います。

製品質量 6.5 g
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	FINISH
ALPS ELECTRIC CO., LTD.			
		DSGD. セツケイ K. SATOU '96-06-16	SCALE 1:1
		CHKD. S. ABE '93-06-16	NO.F1812439M S6028P623A
		APPD. Y. YOSHIOKA '93-06-16	TITLE SLIDE POTENTIOMETER DUAL UNIT
SYMB	DATE	APPD	UNIT
		CHKD	DOCUMENT NO.
		DSGD	6311