Customer: ALPS(CHINA)CO.,LTD.SHANGHAI BRANCH

No.:	KK-2015-0877
Date:	Jun. 26, 2015

Attention:

Your ref. No.:

Your Part No.: YATELIAN SD2-4G LIU

# **SPECIFICATIONS**

ALPS Model ; RK16816MGA04

ALPS Spec. No. :

ALPS Sample No.: 0021732126

-



DSGD X. Kimure
APP'D A L A
S. Wrushihara
ENG. DEPT.

Sales

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

### SPECIFICATIONS

1. THIS SPECIFICATIONS APPLY TO RK16816MGA04 POTENTIOMETER.

2.CONTENTS OF THIS SPECIFICATIONS. 0021732126 K166FMG00E

#### 3.MARKING

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

#### 4.REMARKS

• FURNISH PACKAGE NUT:1 WASHER:1

#### • CAUTION

There is a possibility that might be affected by contact resistance of resistive element and wiper in case of low impedance of output side in voltage regulation circuit. For this reason, we require that you adjust to impedance of output side more than 100 times of total resistance.

1.For the export of products which are controlled items subject to foreign and domestic export laws and regulations, you must obtain approval and/or follow the formalities of such laws and regulations.

2.Products must not be used for military and/or antisocial purposes such as terrorism, and shall not be supplied to any party intending to use the products for such purposes.

3.Unless provided otherwise, the products have been designed and manufactured for application to equipment and devices which are sold to end-users in the market, such as AV (audio visual) equipment, home electric equipment, office and commercial electronic equipment, information and communication equipment or amusement equipment. The products are not intended for use in, and must not be used for, any application of nuclear equipment, driving control equipment for aerospace or any other unauthorized use. With the exception of the above mentioned banned applications, for applications involving high

levels of safety and liability such as medical equipment, burglar alarm equipment, disaster prevention equipment and undersea equipment, please contact an Alps sales representative and/or evaluate the total system on the applicability. Also, implement a fail-safe design, protection circuit, redundant circuit, malfunction protection and/or fire protection into the complete system for safety and reliability of the total system.

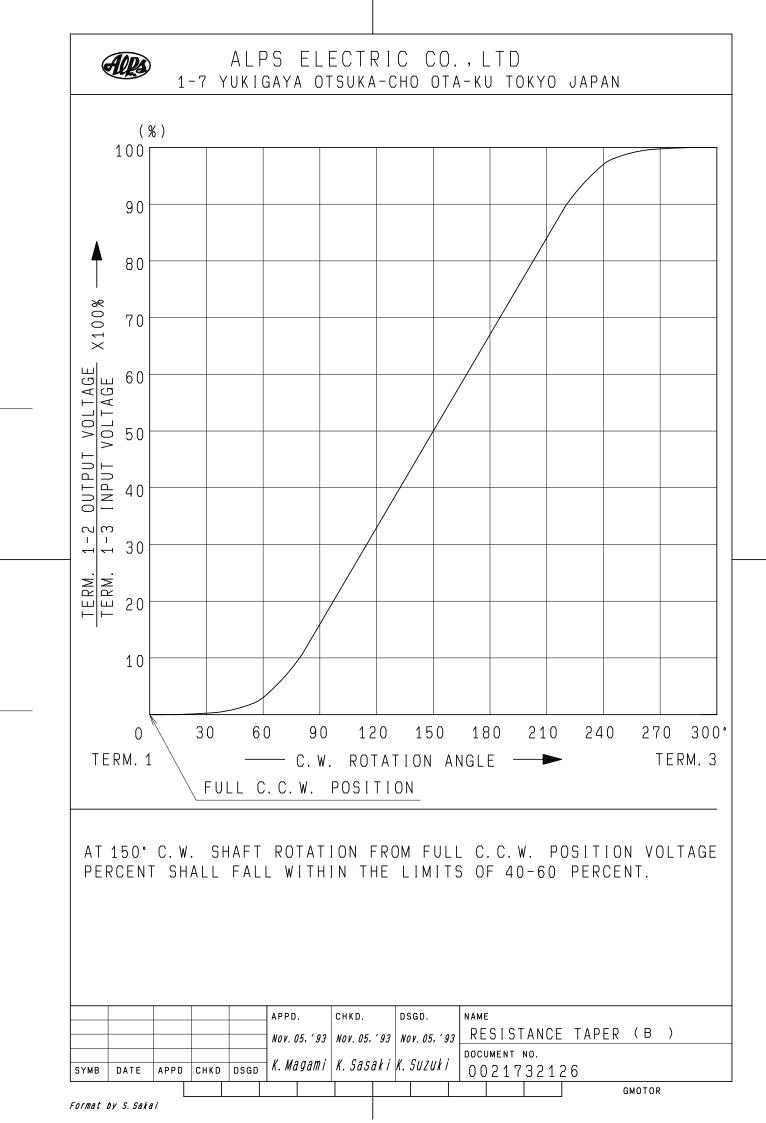
4.Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

5. The products shall be stored in the original packaging and kept at room temperature and humidity, out of direct sunlight, and away from any and all corrosive gas. The products shall be completely used as soon as possible, but no later than 6 months from the date of delivery.

Once product packaging is opened, the complete quantity of such products shall be promptly used.

		SPECI	FICATION	S	
Feature This is a po by both manu			magnet motor	and it is adjus	table
Temperature fo 1.Dimensions 2.Operating 3.Storage te 4.Motor	See at: temperature	tached dra :-10°C :-20°C :D.C. m	wing. ~ +70°C	istor)	
(When the 5.Mechanical Continuous To be mutu (at 4.5V D	tional angl speed of rotation potentiomet noise monotonous ally discus .C. applied	: Manua e : 300'± :12±3 s (at 4.) er is look : s,not unple sed when a to motor)	5'. ec/300' 5V D.C. appli rotation at ed at from th asant sound t uestionable.	ed to motor drive. ed to motor.) normal polarity. e shaft side.) to heard. onal speed 60°/s	
7.Stopper st With man With mot		on : N : S		an application slipped at the b n.	
			than 1.2N∙	)t be assured.)	
9.Push / pul No damage		: upplication	of push or p	oull force 100N f	or 10 sec.
between re as a resul The t	ering there sistance el t of the te erminal of less than 3 erminal of	e shall be ement and est. the potent 800°C and w the motor	terminals, or	of poor contact any physical da	mages
		A	PS ELE	CTRIC C	0., LTD.
		PD. CHKD.		TITLE 00217321	2.6
		v. 08. 193 Nov. 0. Aizawa M. Sa		DOCUMENT NO.	
B DATE APPD CI	IKD DSGD "			<u>  RK168</u>	
L			+		

					SP	ECIFIC	CATION	S		
E	lectri	cal s	pecif	icati	ons					
	2. Rat 3. Rat	al re ed po ed vo The r (comm (diss rated howev the r Wher	ercia ipati volt er, t ated e	: volta l fre on),a age e he ma volta E = v E : R F : R R : N	0.05 W ge shall quency .e nd be obt kceeds th kimum wor ge. (P.R (V) ated volt ated powe ominal to voltage	y be the v effective ained fr e maximu king vol cage (V) er(dissip tal resi : 50V A	om the fo m working tage of t ation) (w stance (o .C.	correspor llowing f voltage he follow ) )	nding to formula. given i ving sha	the rated power When the obtaine n the following. Il be A.C.voltge only).
	4.Re	sist	ance	tape	r :B					
	6.Ins	sertio	n los	s at	full .C.W	.positio	.C.W. pos n : O . (Measur	.1dB max.		
		g err R2)(R					een -60dB een -40dB		n -40dB	
	Po Mo 10. Wit Po 11. Sup 12. Rat 13. Mot No	otenti otor s chstan otenti oply v ced vo cor cu ormal ippin	ectio d vol omete oltag ltage irrent opera	r sec n tage r sec e for for r (at tion ratio	tion : N : N motor : notor : 4 4.5V D.C. : n	lore than 100V A.C. 4~6V D.C 1.5V D.C. applied	to motor) mA max.	t 100V D. nute.		
E	ndurar 1.Rot					cycles m	in.			
						ALP	S ELE	CTR		0., LTD.
					APPD.	СНК <b>D.</b> <i>Nov. 08. <sup>^</sup> 93</i>	DSGD.	TITLE 0021	7321	26
					s, Aizawa		Y, Saitoh	DOCUMENT I	NO.	
SYMB	DATE	APPD	CHKD	DSGD			L	RK168		

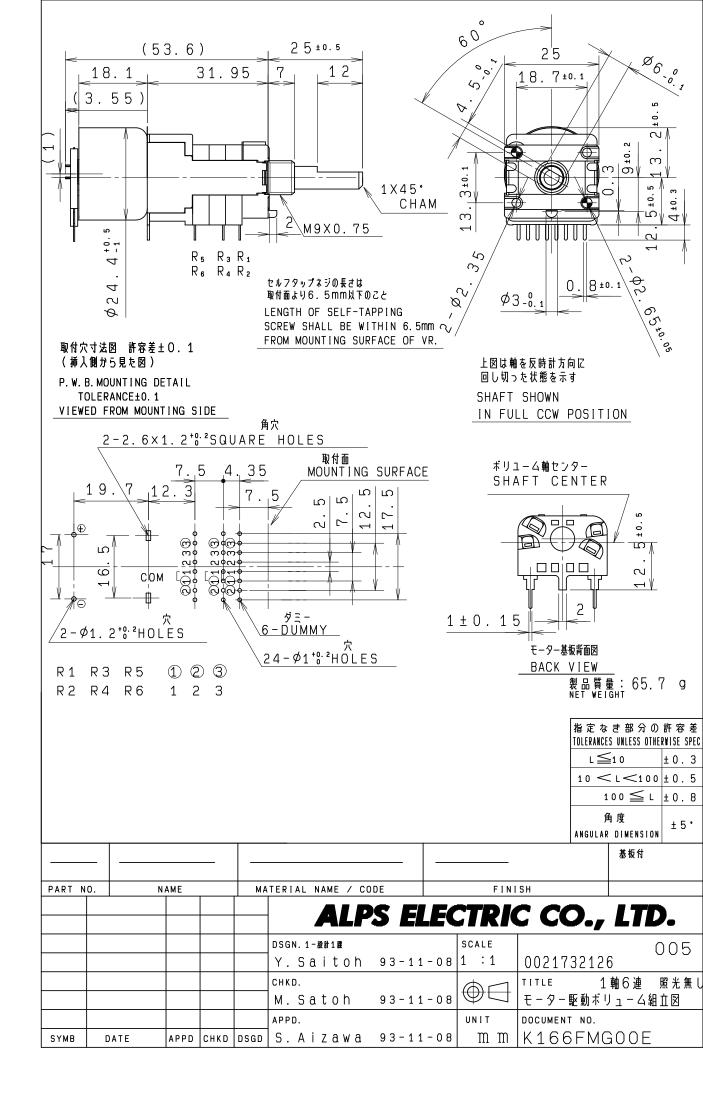


				SPE	ECIFI	CATION	S		
N	and r requi	relativo irement:	e humid s of a	lity from	45% to ire of 2	85%. Test	shall be d	n 5°C to 35°C Ione under er humidity of	vironmental
	2.Notic 1).Mc			shall no	ot be be	ent more th	nan twice.		
	nc Ar Pa If 3).Mc	ot to cand, avo ay spec f the f otor te	ause th id that ial att lux flo rminal	e transfo the flux ention to ws into t should no	ormation ( flows ) the te (he moto )t be pr	n of termin into the r erminals wh pr,it may c	hal base pl notor. hen they ar cause a poc ide the mot	e wave solde or contact .	red.
	ar 5).ir or ir	re not o n opera n the po n high	crepted tion,te erforma tempera	l into the mperature ince and l	e motor. e arroun ife. Pa humidit	nd the moto ay special ay.Storage			d humidity,
	ma (i Pa	ake sur includii ay spec	e that ng all ial att	there is chemicals	no gene arrour cyanog	eration of nd the moto gen system	the harmfu	; etc.for fit il gas for mo igent	
	(ripp	lated D. Dle to	C.powe be 1% m		termin	nal shall r	not be cone t is to be		
	4. The i	items e:	xcept a	bove ment	ioned i	tems shal	l meet or e	exceed JIS C	6443.
				_			CTDI		ITN
								c <b>co.,</b>	LTD.
				APPD.	CHKD.	DSGD.	TITLE	-	LTD.
SYMB	DATE A	РРD СНК	D DSGD	APPD.	СНКD. <i>Nov 08,1</i> 5	DSGD. 93 Nov 08, '93	TITLE	732126	LTD.

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					同於	S 🕅	CIR	CUIT				
	$\rightarrow$		 				011					
	R	<u>21, R2</u>		<u>R</u>	<u>3, R 4</u>				<u>, R 6</u>			
6連 6- GAN( UNI <sup>-</sup>	GED	AC00 AC ONLY	① 1	32	AC07 AC ONLY		3 1 3 1	,   A	\СØ₩ \C ONLY			
				_	ミッケイ 1 - 9			SCALE	NO.			
				DSG1.tt Y,SA CHKD. Y,OH	2 ሣ ታ イ 1 – 9     T Ο Η		3 - 2 9		NO.	)21	<b>D., I</b> 7 3 2 1	



	TITLE			
<はんだ付け時	fのご注意事項>			
Caution	for soldering			
	にP.W.Bの上面にはんだ付けを e avoid soldering on		.B.as shown	
	はんだ Solder 🥄	端子 」    Termi	nal	
			i u t	
	$\overline{a}$			
	はんだ 🦯 Solder	P. W	. В.	
基板に挿	入される金属足ははんだ付けしてご	使用願います。		
Solde	r all metal inserted		minals & metal	
1 4 9 5	into a substrate.			
		ALPS ELECI	RIC CO	., LTD
	APPD. CHK DSG1 DS	D. DSGD. TITLE	RIC CO	., LTD

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