		-	
Customer:	AEE DISTRIBUTOR		No. KK-98-2839
			Date: Jun. 25, 1998
Your ref.	No: No:STEC12E07		
	SPECIFICA	TIONS	
		ALPS;	
		MODELEC	12F24204 = EC12E24204A
		Spec. No. :	
		Sample No	.: G2960582M
	RECEIPT STATUS RECEIVED By. Date		
	Signature		
	Name		

ALPS ELECTRIC CO., LTD.

Title

HEAD OFFICE 1-7, YUKIGAYA-OHTSUKA-CHO, OHTA-KU, TOKYO 145-8501 JAPAN DSG'D A Miura

APP'D' Y Kangaha

Sales

SPECIFICATIONS

- 1. THIS SPECIFICATIONS APPLY TO EC12E24204A8 ROTARY ENCODERS.
- 2. CONTENTS OF THIS SPECIFICATIONS.

F0952431M LE21205 | PS-EC12E02-M |

3.MARKING

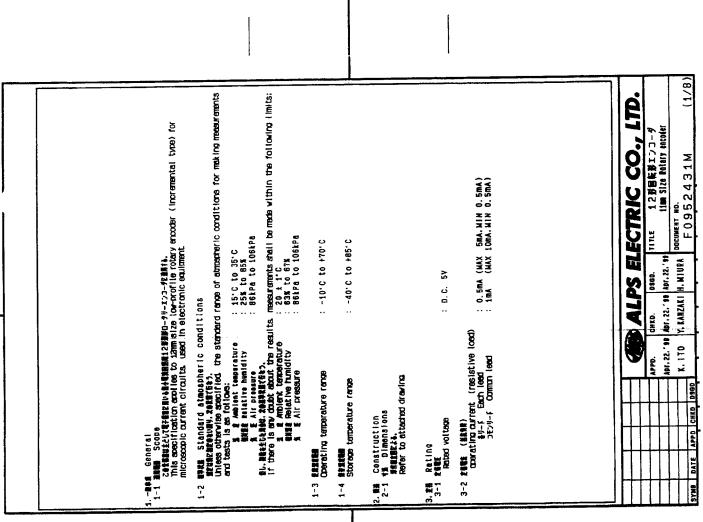
·MARKING ON ALL UNITS DATE CODE

·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 whitch 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.



(2/8) 章 Specifications A. B2を9を総数あたい 報報 イ1の. 19を19を4を フリック程を8をフリック位置で A8号はあわら下の文を選定のもこと B8号は数定す、(電影セック名を ALPS ELECTRIC CO., LTD. 88 24/147/360' 24 pulses/360' for each phase Orde) Code-CN size : The area which the Ditage is 1.5V or less code-CN size : The area which the Ditage is 3.5V or more code-CF area : The area which the Ditage is 3.5V or more is 1.5V or more code-CF area : The area which the Ditage is 3.5V or more is 1.5V or more is 1 12形回転券エンコーダ 12mm Size Rotary excoder -0952431M PF. ž 3-fooff-donydon-off-page, gal. 5v-3. 5v of manage (get). Specified by the signel's passage time froi 3 by to 1.5v of from 1.5v to 2.5v of or one anitoning position (code off \rightarrow Or ON + OFF). FERENCTIO. 2>4MV. MEMESON'S 'ORACHER MESTA. MORNING TRANSPORT OF A STATE OF THE CONDIT IN OR TOLLOWS. 1)STATE COLDICAL STORED: 300'S' 2)TORE CIVALE. : < | CLUB | CONDIT CONDIT OF A STATE 1.50 PFF J <f 19. 3> 3, 57 ** NO DOL WENT NO. 1147.6 A(A-CB = A) A(Termit at A-C) B(8-C#34) B(Termifal 8-C) A(A-CB:F) A(Termit at A-C) 8(8-C# #) B(Termit 11 B-C) Terminal DC5V K. ITO Y.KANZAKI H. MIURA Ercoder : 据为现在步1.5V以下的收益を含う。 コードロドド状態 : 出力電圧が3.5V以上の状態を含う。 ADT. 22. ' 99 A91. 22.' 99 ADT. 22. ' 99 Terminat C rotation 10kg **制制を力向** Shaft rotational direction - Terminal A inder of pulses in 360° conditions scal characteristics ENTRA TO C. C. W. RE) 3-FONKE 政権分割 C. V. 10ko <119.2> <Flg 1> SYME DATE APPR CHKD DSGD 4-3 X4+7-2988 Switching characteristics -i ghist Output signal format 5+91127 Chatter Ing EIB 4-2 986 Resolution 4. CHARE

	4	**
	Conditions	Specifications
	7.40 "比上的各位条件" 17.48.	なし、老者が他、電気的性性を測定する
Pesistance to	Specified by the clause ? Soldering conditions.	こと、また、苦しいガタを自然的に見着
solder ing heat		.72040
		Electrical
		characteristics shall
		ba satisfied.
		No mechanical
		abnernality such as a
		excessive Diay.
		「最低的ななものを表情を含められ
		一般上着しいなんだく思れていること。
		A new uniform coating
		lof solder shall cover
		a minimum of 95% of the
		Surface being imprised.

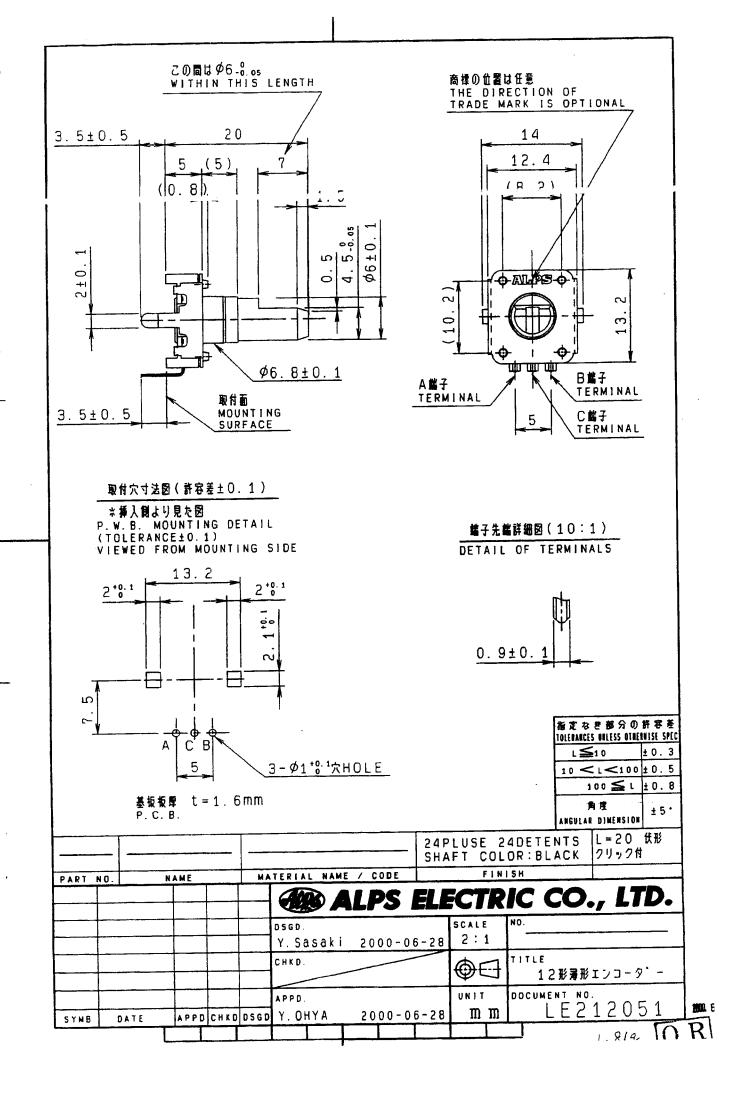
6. 夏久佐藤 Endurance character!stics.

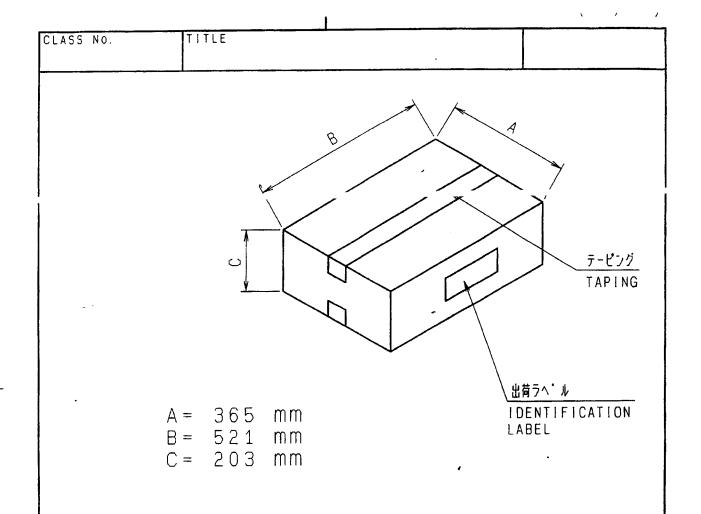
The shart of a speed of which messure of which messure of which messure of the shart of a shart	を確すを表現では、	age 0 ± 2° C. 過度 90~95×60 数 2 2 4 0 ± 10 0 単 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RESSEAT COMERGEOLOGISMS R. RESPET. SMERRES. C. The encoder shell be stored at a temperature of 8513°C for 240.40M in a thompostalic chamber. And their the encoder shall be subjected to standard atmospheric conditions for 1.5M. after which accountements shall be main.	ME-40±3 CONTROPORTOR ME. ME. MESON. SARRETA. The encodes shall be stored at a tamoeratur of -40±3.C for 240±10H. In a thermastatic chamber. And then the encodes shall be subjected to standard then the encodes shall be subjected to standard shall be made.	GOCMOMER 1988058954952-94468.52799-10. LEGBEEFFERD. 861988 2889548888 The encoder shall be fallon freely at any instance from 80cm (4.1-4.5205.1) to the concrete floor covered with inyl-tile. after 8253-25. Which measurement shall be made. (80,879-20) to tressive deformation of demands of terminal of sanial be satisfied.	10~55~10H2と完化する部(1周型1分/新型1.5mm)をX. Z. 各方向Z 整整路(4.1~4.52U5.1) 全部整元。 Particle of the second of the se
	Memoral of the shaft of encoder shall be retained a speed of 600-1000/Hemath speed of 600-1000/Heithout statiful measurements shall be made.	Tage 042°C. Sego 0.95% employer 24 Market 1 minutes in months of the second segon of the segon o	B543 COMEMBER et al a encoder shell be stored at a concoder shell be stored at a side in a thermostatic chambe at the sublected te standard at a chard at a contract and	MAC-40.3° CONTROPOZAO110000000000000000000000000000000000	GOCMBARZ NYMADNESDRAFYCE-3/4-65. The encoder shall be fallen free height to the concrete floor coreste floor cores	10~55~10H22getattt(1jm19/KE1.5mm)tx. Z. 85APZ ZMMML. ZMMLOVING Vibration shall be applied to the encoder. after which measurement shall be made:

		TO ALPS FLEITIBLE CO. LTD.		111.E 12期回転券エンコーダ				:0952431M (6/8)
		S III		DSG0. 111 E	20, 22, 341, 20, 22, 341, 22, 347	1	H. WIURA	_
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i								0800
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	L		L				L	APPO
								SYMB DATE APPD CHKO 0500
								SYMB

(8/9)

| ALPS ELECTRIC CO., LTD. | Arpo. | chro. | chro. | br. 22. 79 | hr. 22. 79 | hr.





詰め個数 = 2,400 個 PACKAGING QUANTITY PCS

*テーピング方法は、例示です。
SHOWN TAPING STYLE IS AN EXAMPLE.

APPD CHKD DSGD CHKD DSGD CHKD DSGD TITLE DOCUMENT NO. PS-EC12E02-M1 (/)

(2A670170) (輸金)

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