

SPECIFICATIONS

ELECTRICAL

1. Total resistance : 10k $\pm$ 20%
2. Rated power : 0.05 W
3. Rated voltage :

The rated voltage shall be the voltage of 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)

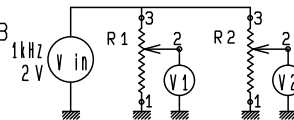
Maximum working voltage : 50 V A.C. This potentiometer is designed for A.C. only.

4. Resistance taper : A
5. Maximum attenuation level 70 dB min. Insertion loss 0.1dB max.
6. Sliding noise : Less than 100 mV. (Measured by JIS C 6443)

7. Insulation resistance : More than 100 M Ω at 250V D.C.

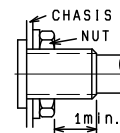
8. Withstand voltage: 300V A.C. for one minute.

9. Gang error : 3 dB max. at
 -40dB less than 0dB



MECHANICAL

1. Total rotational angle : 300° $\pm$ 5°
2. Rotational torque : 3~20 mN·m (Rotational speed 60°/sec.)
3. Resistance to soldering heat :
 After soldering (Less than 300°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 0.6N·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

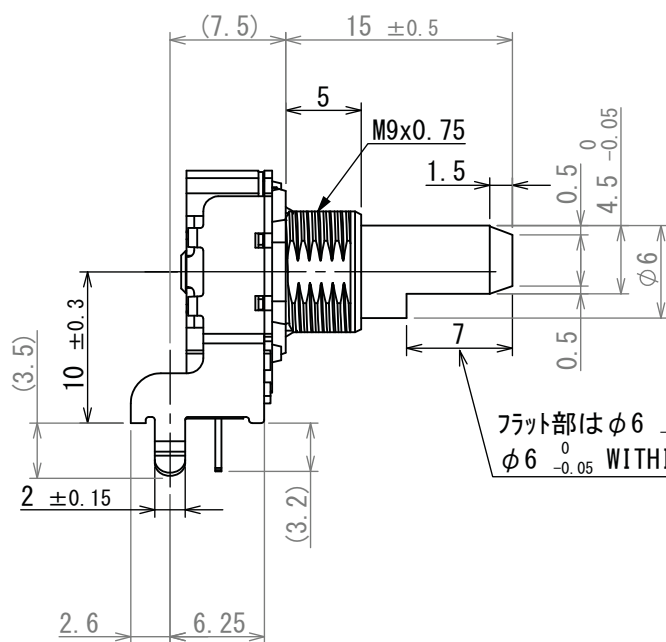
1. Rotational life : 15,000 cycles min.

NOTE

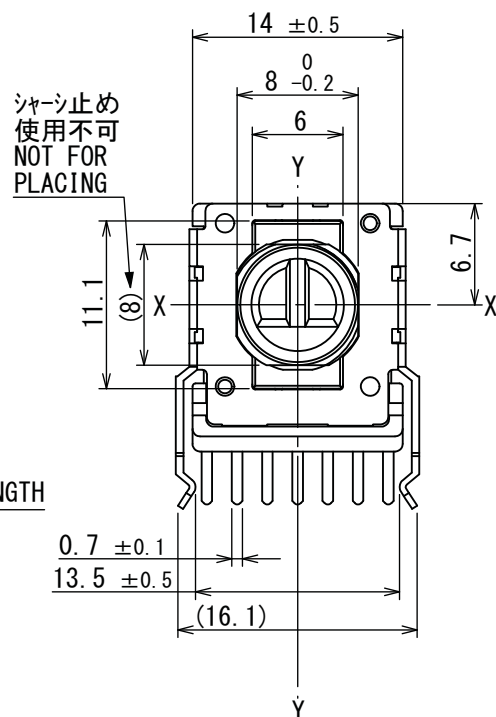
1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature : -10°C~+60°C. 3. Storage temperature : -30°C~+70°C.

					ALPSALPINE CO., LTD.			
					APPD.	CHKD.	DSGD.	TITLE
					Oct. 01, '92	Oct. 01, '92	Oct. 01, '92	R K 1 4 K 1 2 B 1 A 1 4 E
					S. Aizawa	M. Satoh	S. Sugawara	DOCUMENT NO.
SYMB	DATE	APPD	CHKD	DSGD				

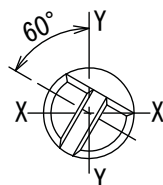
REFERENCE



フラット部は $\phi 6^{+0}_{-0.05}$
 $\phi 6^{+0}_{-0.05}$ WITHIN THIS LENGTH



軸はセンター位置又は
センタークリック位置を示す
SHAFT SHOWN IN CENTER
POSITION OR CENTER
CLICK POSITION.



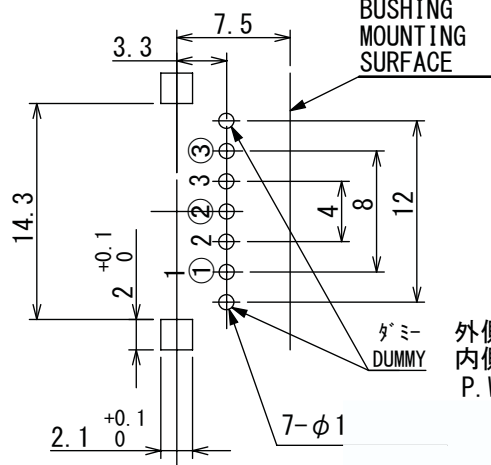
軸は反時計方向に
回しきった状態を示す
SHAFT SHOWN IN FULL
C. C. W. POSITION.

取付穴寸法図 (公差 ± 0.1)

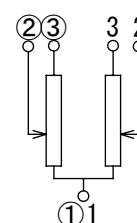
*挿入側からみた図

P. W. B. MOUNTING DETAIL (TOLERANCE ± 0.1)
VIEWED FROM MOUNTING SIDE 軸受取付面

軸受取付面
BUSHING
MOUNTING
SURFACE



ダミー 外側 OUTER R1 ①②③
DUMMY 内側 INNER R2 1 2 3
P. W. B. 板厚 T=1.6



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	$\pm 5^\circ$

								クリック無し	
PART NO.		NAME		MATERIAL NAME / CODE		FINISH			
					ALPSALPINE CO.,LTD.				
					DSGD.1-設計1課 Y, SAITOH ' 94-07-20		SCALE 2:1		
					CHKD. M, SATOH ' 94-07-20				TITLE FIGURE 14形1軸2連絶縁軸*リウム組立図
					APPD. R. ARASAWA ' 94-07-20		UNIT mm		DOCUMENT NO. F07 K142G0Z28
SYMB	DATE	APPD	CHKD	DSGD					

Confidential