

SPECIFICATIONS

ELECTRICAL

1. Total resistance : 10 kΩ ±30%
2. Rated power : 0.03 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.

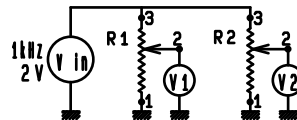
$$E = \sqrt{P \cdot R} \text{ (V)}$$

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. voltage only
 D.C. shall not used.

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 MΩ at 100V D.C.
8. Withstand voltage: 100V A.C. for one minute.
9. Gang error :
 3 dB max. at -40 less than 0dB



MECHANICAL

1. Total rotational angle : 270±10°
2. Rotational torque : 0.5~10mN·m (Rotational speed 60°/sec.)
3. Shaft end stop strength : No damage with an application of 70mN·m
4. Knob rolling : Fix dial gauge loaded max. 1N to the position
 6 mm from knob center and then rotate the knob in range of total 270° angle so as to measure axial run-out of knob.
 The axial run-out must not be greater than 0.4 mmP-P.
5. Push pull strength of knob : No damage with an application of 5N.
6. Resistance to soldering heat : After soldering (Less than 350°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.
 Manual soldering only.

ENDURANCE

1. Rotational life : 10,000 cycles min.

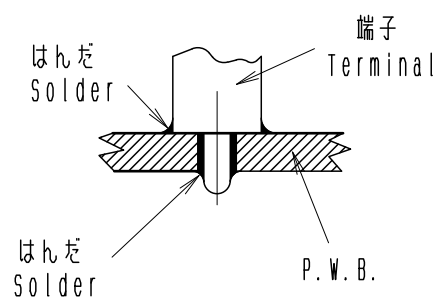
NOTE

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

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					S. Aizawa	T. Tanigawa	S. Inoue	
					DOCUMENT NO.			
					RK10J12E1A14E			
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図のようにP.W.Bの上面に はんだ付けをする配線は、お避け下さい。

Please avoid soldering on upper surface of P.W.B. as shown



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