

3				NAME	R1610N-QB1-A***		
1 NO	DATE	DE	SCRIPTION	DRAWING NO	R1610N		
	TOLERANCE		SCALE	DRAWN BY	CHECK BY	APPROVED	BY
less than 10±0.3 above 10-30±0.5 above 30-100±1.0		2/1 DIMENSION m/m	徐 311-4-14. 干茹	張 301-4-14 朝琴	强		

MODEL: R1610N-QB1-A***

阳值

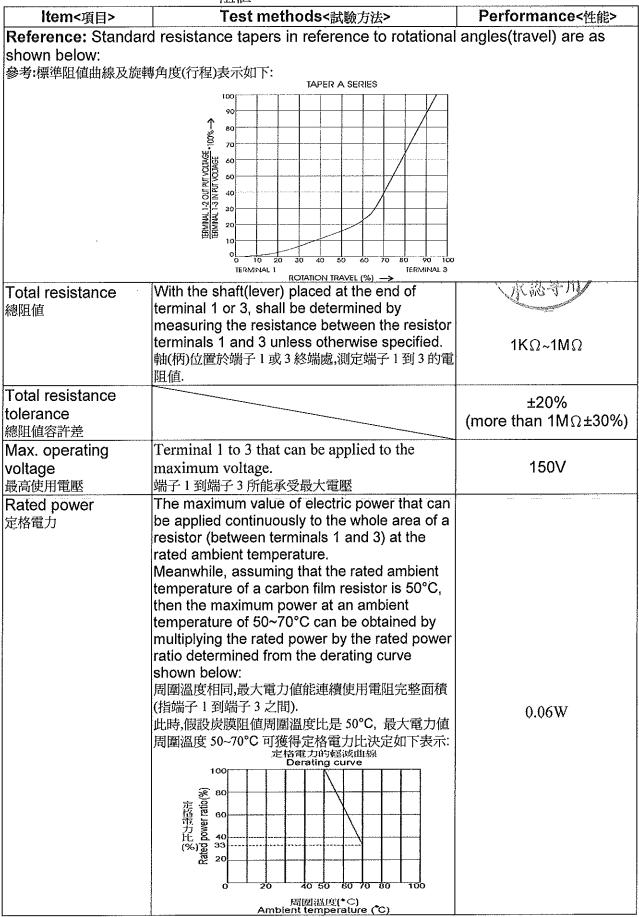
Mechanical characteristics:機械的性能:

ltem<項目>	Test methods<試驗方法>	Performance<性能>
Total rotational angle/travel 全迴轉角度/行程	Determined by measuring the rotational angle(travel) when the shaft(lever) is turned(moved) from the end position of terminal 1 to the end position of terminal 3. 軸(柄)置予1端最底部移往3端最底部之旋轉角度(移動行程).	300°±5°
Rotation torque 迴轉扭力 Shaft rotational	Determined by measuring the torque(operating force) necessary to turn(move) the shaft(lever). Unless otherwise specified, measurement shall be made at ambient temperature of 5 to 35°C, and the shaft rotational speed shall be 60° per second and the lever traveling speed 20mm per second. 测定扭力必須要旋轉軸或移動推柄,周圍溫度在5~35°C 時,軸以每秒 60°速度轉動,推柄以每秒 20mm 速度滑動,特殊品除外.<以扭力計或拉力計測得>	50±30 gf-cm
stopper strength 軸的止迴轉強度	terminal 1, a specified torsional moment(force) shall be applied in that direction for 10 seconds. Next, the shaft(lever) shall be placed at the end of terminal 3 and a specified torsional moment(force) shall be applied similarly, to check the operating part and other related sections for deformation, breakage, etc. 軸從 1 端移至止擋點或從 3 端移至止擋點 10 秒後,直至破壞之力量。< 以扭力計測得>	7 kgf-cm
Push-pull strength 軸推拉強度	A specified force shall be applied in the axial direction of the shaft(lever) for 10 seconds to check the operating part and other sections for deformation, breakage, operating condition, etc. 以軸(柄)的軸線方向施加力量,經 10 秒後,核對部份動作之有無斷面變形、破損、等情況.	7 kgf

Electrical characteristics:電氣的性能:

Item<項目>	Test methods<試驗方法>	Performance<性能>
Resistance taper 阻値線性	With the shaft(lever) placed in the specified position, shall be determined by measuring the voltage between the specified terminals(between terminals 1 and 2 or between terminal 2 and 3) and calculating the percentage in reference to the voltage between terminals 1 and 3. 中(柄)在特別位置測定特別端子間的電壓(端子 1 至端子 2 之間或端子 2 至端子 3 之間)參考端子 1 到端子 3 之間的電壓計算的百分比.	Α

阻値



MODEL: R1610N-QB1-A***

阻值

Item<項目>	Test methods<試驗方法>	Performance<性能>
Residual resistance 殘留阻値	With the shaft (lever) placed at the end of terminal 1, shall be measured between the terminals 1 and 2. Next, with the shaft (lever) placed at the end of terminal 3, the resistance shall be measured between the terminals 2 and 3. If there are tapped terminals, the shaft(lever) shall be turned(moved) and the resulting minimum resistance between the tapped terminal and the terminal 2 shall be measured. • • • • • • • • • • • • • • • • • • •	R≧ 250KΩ 0.1% max. of total resistance 250KΩ>R>10KΩ 20Ω max.
	端子3最終位置,測定端子23, 所得最小阻値即是.	101(22=31(% -1042 max.
Rotational/sliding noise 迴轉/滑動雜音	Measured by connecting the resistor to the amplifier having frequency charactristics specified in JIS C 6443, (if rated voltage is 20V or less, this voltage shall be applied) and by rotating (moving) the shaft (lever) at a speed of about 30 cycles per minute. 依 JIS C 6443 測定.旋轉(移動)軸(柄)以每分鐘大約 30 次動作.<以雜音表測定>.	Less than 100mV
Insulation resistance 絕緣抵抗	Measured with a megger by applying specified voltage to the specified locations. The undermentioned spots shall be tested unless otherwise specified. However, if the section concerned is so constructed as to conduct, that particular part shall not be tested. 測定端子與端子間,端子與固定架間,所得電阻器基板之絕緣電阻.	More than 100MΩ at DC 500V
Manual Soldering heat 手焊錫溫度	Bit temperature of soldering iron:300°C for less Application time of soldering iron: Within 3s 溫度 300°C 以下,時間 3 秒鐘以內。	Below 300°c,Less than 3 seconds.

MODEL: R1610N-QB1-A***

阻値

Durability:耐久的性能:

ltem<項目>	Test methods<試驗方法>	Performance<性能>
迴轉/滑動壽命	The shaft(lever) shall be turned at a speed of 600 cycles per hour(counting 1 reciprocating motion as 1 cycle) and 5,000~8,000 cycles a day over 90% of the effective rotational angle(total travel). Unless otherwise specified, the following requirements shall be met after the test is completed: Variation in total resistance: ±15% Slider noise: less than 150mV 在無負荷情況下,軸(柄)以每小時 600 次的速度(有效 來回 1 遍稱爲 1 次),有效移動距離達 90%以上,每日 5,000~8,000 次的使用次數測試, 全阻變化:±15%. 滑動雜音:低於 150mV.	15,000 cycles (15,000 次)

REMARK: 備註:	PREPARED BY	REVIEWED BY	APPROVED BY
	新士山	强 1311-4-14. 朝琴	張101-4-14