
1 product standards

3386 preset potentiometer glass enamel detail specification

GB/T15298-94

2 Ratings and characteristics

2.1 Product appearance and installation methods

Installation: Insert the potentiometer terminals PCB hole, it closely aligns with the solder fixed.

Product Outline: See Appendix A.

2.2 Rated power consumption: 0.5w

2.3 Nominal resistance range and series resistance

Nominal Resistance Range: $50\Omega \sim 2M\Omega$

Resistance Series: preferred IEC63 in the E3 series, take a significant figure, that is 1,2,5.

2.4 Resistance tolerance: $\pm 10\%$

2.5 Temperature Coefficient of Resistance

$TCR \leq \pm 250 \times 10^{-6} / ^\circ C$

(User needs, providing $TCR \leq \pm 250 \times 10^{-6} / ^\circ C$)

2.6 Resistors limit voltage: 315V (DC or AC RMS).

2.7 Withstand voltage (frequency 40 ~ 60Hz AC voltage)

Normal atmospheric pressure: 600V

Low pressure 8.5KPa (85mbar) under: 450V

2.8 Climatic category: 55/125/04

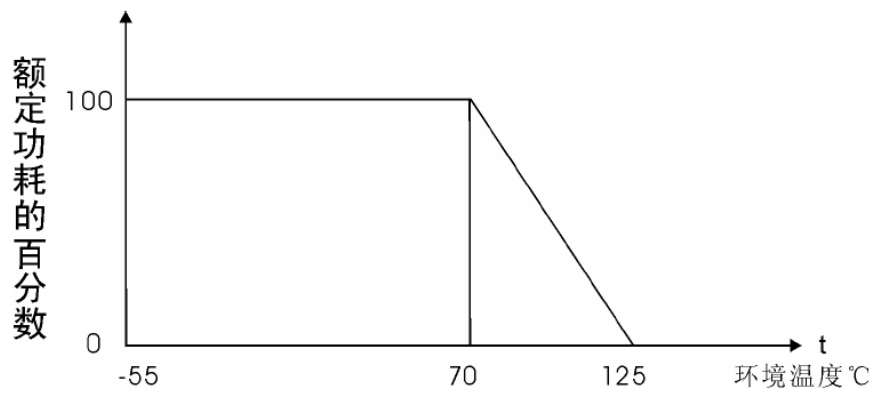
2.9 Total mechanical travel: $280 \pm 10^\circ$

2.10 Stability Rating: 10%

2.11 Starting torque: $\leq 35\text{mN} \cdot \text{m}$

2.12 Load wear weeks: 200 weeks

2.13 Derating curve



3. Mark

3.1 Potentiometer should be marked: product labeling, product type, resistance code

3.2 Potentiometer should be marked on the package label: product labeling, product type, resistance code, quantity, production year, month, detailed specification code, operator code, order unit

4 Pilot project (part), test conditions and performance requirements in

Table 1

Table 1

GB/T15298-94 of Models and pilot projects	Test conditions	Performance requirements
4.6 Resistance resistors		$\pm 10\%$
4.7 Termination	Rab Rbc	$\leq 10 \Omega$ or 1% R (Whichever is greater) $\leq 10 \Omega$ or 1% R (Whichever is greater)
4.5 Continuity	File with the tables with three resistance measurements. Moving contact speed potentiometer 2 to 5 weeks per minute	Resistance change due to smooth And is a one-way.
4.15 Rotational noise	CRV tester with measurement, a constant current I_b through the potentiometer of the moving contact, moving contact speed per minute, 2 to 5 weeks	$\leq 3 \Omega$ or 1% R (Whichever is greater)
4.32 Weldability	Groove welding method Temperature: $235 \pm 5 \text{ }^\circ\text{C}$ Duration: $2 \pm 0.5\text{S}$	Check the terminals, solder flow and wetting leads should be easy to end
4.14 Resistance temperature characteristics	-55 $^\circ\text{C}$ /20 $^\circ\text{C}$ 20 $^\circ\text{C}$ /70 $^\circ\text{C}$ 20 $^\circ\text{C}$ /125 $^\circ\text{C}$	$\Delta R/R \leq \pm 1.88\%$ $\Delta R/R \leq \pm 1.25\%$ $\Delta R/R \leq \pm 2.62\%$

4.30 Terminal Strength	5N tension applied to the terminals, Reaction time 10 ± IS. Visual inspection Resistance resistors	No visible damage $\Delta \leq \pm (5\% R + 0.1 \Omega)$
4.34 Temperature	Adjust the potentiometer in the total mechanical moving contact travel between 40% to 60%	

Continued Table 1

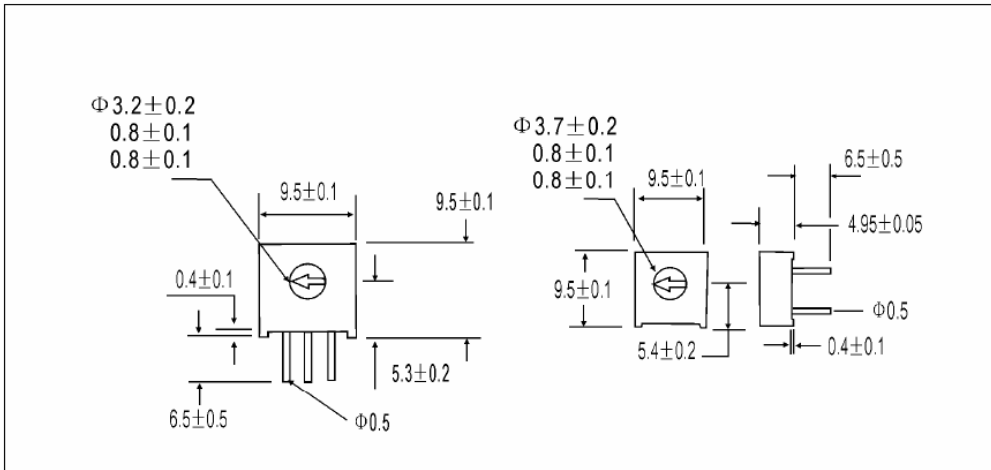
GB/T15298-94 of Models and pilot projects	Test conditions	Performance requirements
	-55 °C to maintain time of 30min Room temperature hold time (2-3) min +125 °C 30min to maintain time Room temperature hold time (2-3) min 2h recovery time after the test Visual inspection Output ratio Resistance resistors	No visible damage $\Delta \frac{U_{ab}}{U_{ac}} \leq \pm 5\%$ $\Delta R \leq \pm (5\%R + 0.1 \Omega)$

<p>4.43.2 At 70 °C, the electrical durability</p>	<p>Half of the sample voltage is applied between a and c; the other half of the sample transfer in the moving contact 95% of the total power trip at the voltage between a and b added.</p> <p>Duration 1000h And 1000h in the 48,500 check: Visual inspection resistance between a and c resistance between a and b After check in 1000h: Insulation resistance Rotational noise</p>	<p>No visible damage, marking a clear</p> <p>$\Delta R \leq \pm (10\% R + 0.1 \Omega)$ $\Delta R \leq \pm (15\% R + 0.1 \Omega)$</p> <p>$\geq 1G\Omega$ $\leq 5\Omega$ or 3% R (Whichever is greater)</p>
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Continued Table 1

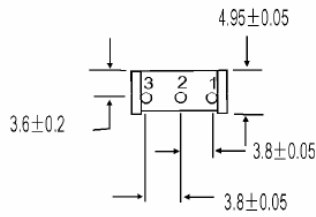
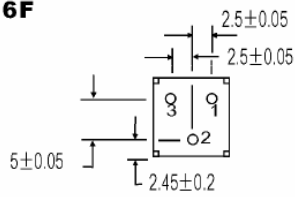
<p>GB/T15298-94 of Models and pilot projects</p>	<p>Test conditions</p>	<p>Performance requirements</p>
<p>4.40 Mechanical durability</p>	<p>Weeks: 200 Moving contact speed: 5 to 10 weeks per minute Visual inspection Resistance resistors Torque overrun Rotational noise</p>	<p>No visible damage</p> <p>$\Delta R \leq \pm (10\% R + 0.5 \Omega)$ $\leq 35mN \cdot m$ $\leq 5\Omega$ or 3% R (Whichever is greater)</p>

附录 A

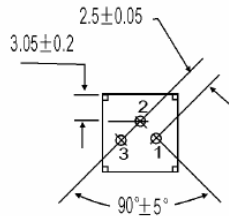


3386B

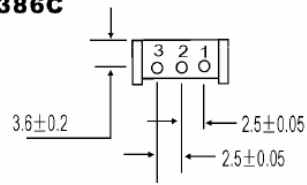
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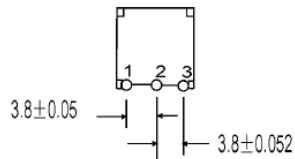
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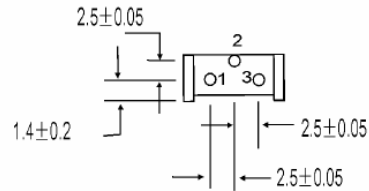
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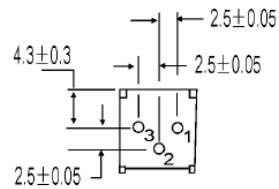
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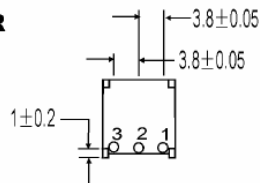
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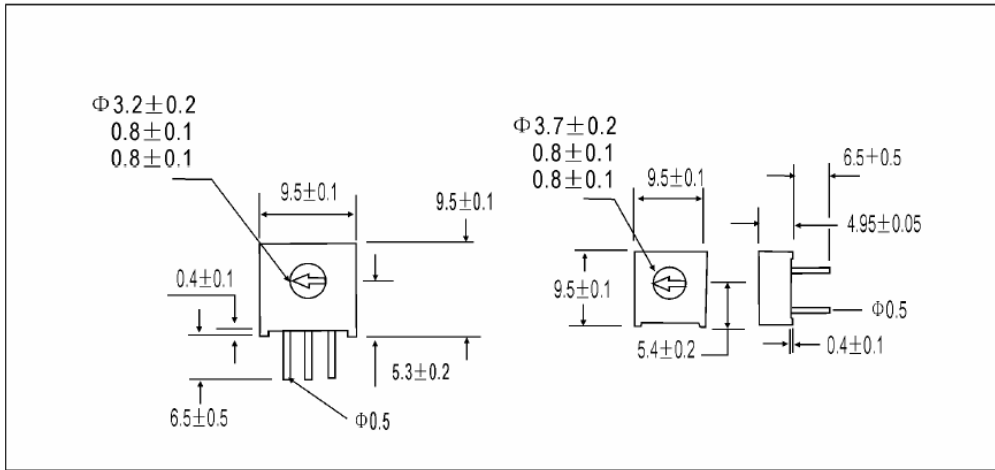
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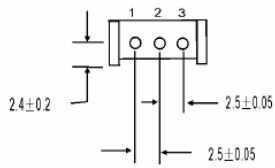
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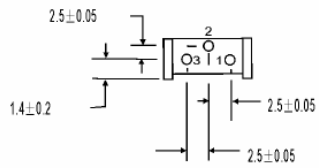
附录 (续) A



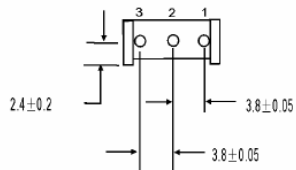
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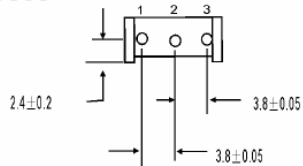
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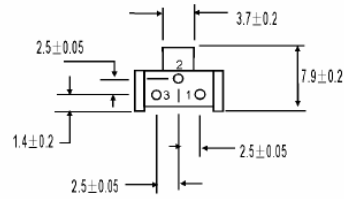
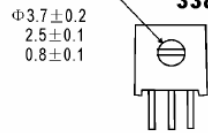


3386S



3386H-EY5

3386X-EY5-SHOWN



3386P-EY5

