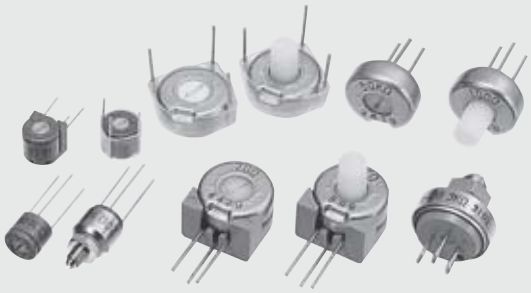
SINGLE TURN WIREWOUND TRIMMERS λ-6/λ-13

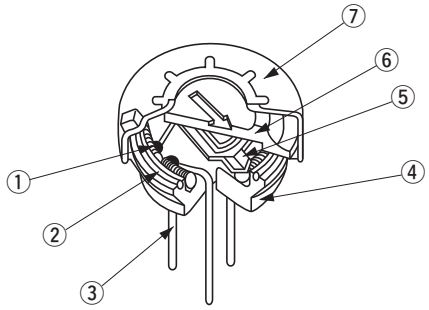
RoHS compliant



■FEATURES

- Low temperature coefficient of resistance
- Low contact resistance

INTERNAL STRUCTURE
λ-13T



	Part name	Material	Flammability
①	Resistive element	—	—
②	"O" ring	Silicone rubber	UL-94HB
③	Terminal pin	Nickel, Gold-plated	—
④	Base	DAP	UL-94HB
⑤	Wiper	Copper alloy, Palladium-plated	—
⑥	Wheel	Polyoxymethylene	UL-94HB
⑦	Cover	Stainless steel	—

■PART NUMBER DESIGNATION

λ - 6 (1106) — T 10 Ω

Series name
λ-6 : φ 6.6 mm (1106)
λ-13 : φ 13.5 mm (1113)

※"λ" may be replaced by 11 for type writing conveniences.

Product shape
T : Top adjustment
S : Side adjustment
F : Rear adjustment
B : Panel mount
TR : Top adjustment with knob
SR : Side adjustment with knob
FR : Rear adjustment with knob

Resistance value

※Please refer to the LIST OF PART NUMBERS when placing orders.

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λ-6/λ-13
WIREWOUND TRIMMERS

■LIST OF PART NUMBERS

Adjustment position	Dimension	
	φ 6.6 mm	φ 13.5 mm
Top adjustment	λ -6T (1106T)	λ -13T (1113T)
Top adjustment with knob		λ -13TR (1113TR)
Side adjustment	λ -6S (1106S)	λ -13S (1113S)
Side adjustment with knob		λ -13SR (1113SR)
Panel mount	λ -6B (1106B)	λ -13B (1113B)
Rear adjustment	λ -6F (1106F)	λ -13F (1113F)
Rear adjustment with knob		λ -13FR (1113FR)

⍁ : Not manufactured
※Verify the above part numbers <Nominal resistance values> (Fig. 1) when placing orders.

〈Nominal resistance values〉

	λ -6 (1106)				λ -13 (1113)						
	T	S	B	F	T	TR	S	SR	B	F	FR
10 Ω	●	●	→●	→●	●	→●	●	→●	●	→●	→●
20 Ω	●	●	→●	→●	●	→●	●	→●	●	→●	→●
50 Ω	●	●	→●	→●	●	→●	●	→●	●	→●	→●
100 Ω	●	●	●	→●	●	→●	●	→●	●	→●	→●
200 Ω	●	●	●	→●	●	→●	●	→●	●	→●	→●
500 Ω	●	●	●	→●	●	→●	●	→●	●	→●	→●
1 kΩ	●	●	●	→●	●	→●	●	→●	●	→●	→●
2 kΩ	●	●	●	→●	●	→●	●	→●	●	→●	→●
5 kΩ	●	●	●	→●	●	→●	●	→●	●	→●	→●
10 kΩ	●	●	●	→●	●	→●	●	→●	●	→●	→●
20 kΩ	●	●	●	→●	●	→●	●	→●	●	→●	→●
25 kΩ					→●	→●	→●	→●	→●	→●	→●
30 kΩ	→●	→●	→●	→●							
50 kΩ					●	→●	●	→●	●	→●	→●
100 kΩ					●	→●	●	→●	●	→●	→●

Fig. 1

The products indicated by →● mark are manufactured upon receipt of order basis.

■ELECTRICAL CHARACTERISTICS

	λ-6 (1106)	λ-13 (1113)
Nominal resistance range	10 Ω ~ 30 kΩ	10 Ω ~ 100 kΩ
Resistance tolerance	± 10 %	
Power rating ※1	0.37 W (70 °C) 0 W (120 °C)	0.75 W (70 °C) 0 W (120 °C)
Electrical continuity	Continuous for full mechanical range	
End resistance	2 % or 1 Ω, whichever is greater	
Resolution	1.42 ~ 0.14 %	1.07 ~ 0.08 %
Peak noise	100 Ω (ENR) maximum	
Operating temp. range	–55 ~ 120 °C	
Temp. coefficient	± 50 10^{-6}/°C maximum	
Insulation resistance	1000 MΩ minimum (DC500 V)	
Dielectric strength	900 Vrms, 1 min (Room conditions)	
Net weight	Approx. 0.34 g (λ-6T) Approx. 0.47 g (λ-6S) Approx. 1.41 g (λ-6B) Approx. 0.39 g (λ-6F)	Approx. 1.60 g (λ-13T) Approx. 2.59 g (λ-13S) Approx. 5.16 g (λ-13B) Approx. 1.73 g (λ-13TR) Approx. 2.72 g (λ-13SR) Approx. 1.86 g (λ-13F) Approx. 1.93 g (λ-13FR)

■MECHANICAL CHARACTERISTICS

	λ-6 (1106)	λ-13 (1113)
Mechanical angle	310 ° (1 turn)	
Operating torque	7.85 mN·m {80 gf·cm} maximum	19.61 mN·m {200 gf·cm} maximum
Stop strength	49.04 mN·m {500 gf·cm} minimum	98.07 mN·m {1 kgf·cm} minimum
Rotational life	200 cycles [⊿R/R ≦ 2 %]	
Terminal strength	8.89 N {907 gf} minimum (Tensile strength MIL-R-27208)	

{ } : Reference only

※1 Rated power is given for the maximum input voltage (V) and maximum wiper current (mA) for the resistance value.

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λ-6/λ-13
WIREWOUND TRIMMERS

■ENVIRONMENTAL CHARACTERISTICS

(In accordance with MIL-R-27208)

Test item	Test conditions	Specifications
Thermal shock	−65 ~ 125 °C, 5 cycles	[ΔR/R ≦ 1 % +0.05Ω] [S.S. ≦ 1 % +Resolution]
Humidity	80 ~ 98 %, 240 h	[ΔR/R ≦ 1 % +0.05Ω]
Shock	981 m/s²	[ΔR/R ≦ 1 % +0.05Ω] [S.S. ≦ 1 % +Resolution]
Vibration	Acceleration 196 m/s², 10 ~ 2000 Hz	
Load life	70 °C (Full load), 1000 h	[ΔR/R ≦ 2 %] [S.S. ≦ 2 % +Resolution]
Low temp. operation	−55 °C, 2 h	[ΔR/R ≦ 1 % +0.05Ω] [S.S. ≦ 1 % +Resolution]
High temp. exposure	120 °C, 250 h	
Immersion seal	85 °C	No leaks
Salt spray	No corrosion	—
Soldering heat	350 °C, 3 s	—

ΔR/R : Change in total resistance
S.S. : Setting stability

■RESOLUTION CHARACTERISTICS

Nominal resistance values (Ω)	Resolution (%)	
	λ -6 (1106)	λ -13 (1113)
10	1.42	1.07
20	1.14	0.83
50	0.91	0.71
100	0.74	0.57
200	0.56	0.42
500	0.54	0.35
1 k	0.48	0.40
2 k	0.34	0.27
5 k	0.28	0.20
10 k	0.22	0.19
20 k	0.17	0.12
25 k	—	0.11
30 k	0.14	—
50 k	—	0.10
100 k	—	0.08

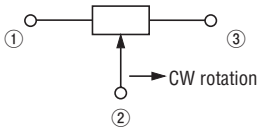
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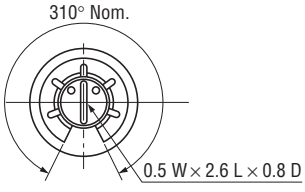
λ-6/λ-13
WIREWOUND TRIMMERS

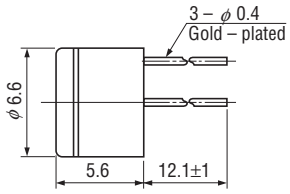
■OUTLINE DIMENSIONS

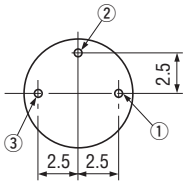
Unless otherwise specified, tolerance : ± 0.2 (Unit : mm)

● λ-6T (1106T)
Top adjustment

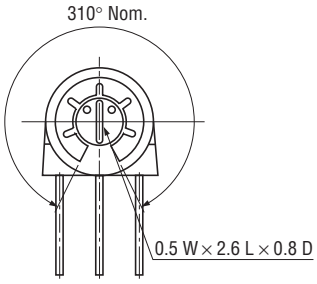


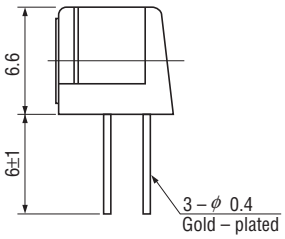


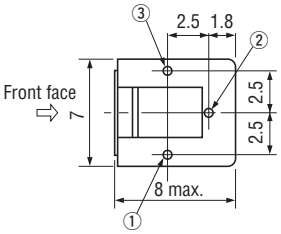




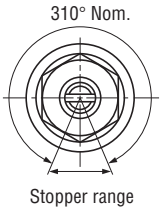
● λ-6S (1106S)
Side adjustment

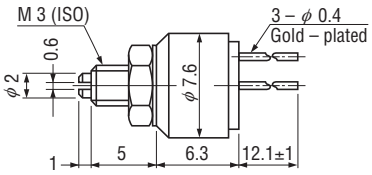


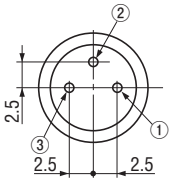


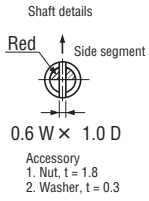


● λ-6B (1106B)
Panel mount

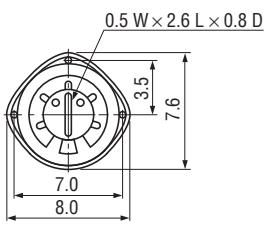


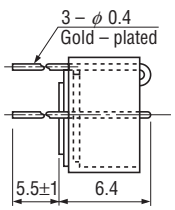


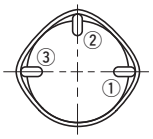




● λ-6F (1106F)
Rear adjustment







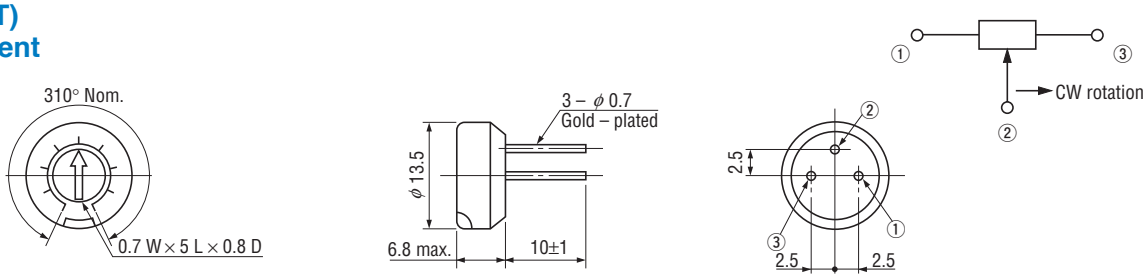
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λ-6/λ-13
WIREWOUND TRIMMERS

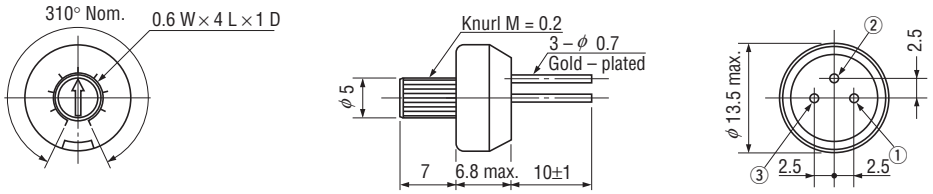
■OUTLINE DIMENSIONS

Unless otherwise specified, tolerance : ± 0.2 (Unit : mm)

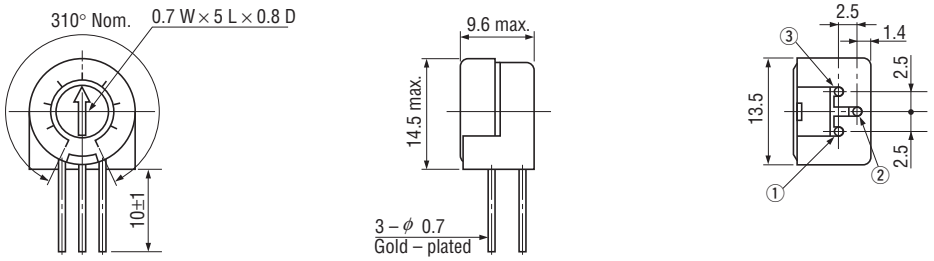
● λ-13T (1113T)
Top adjustment



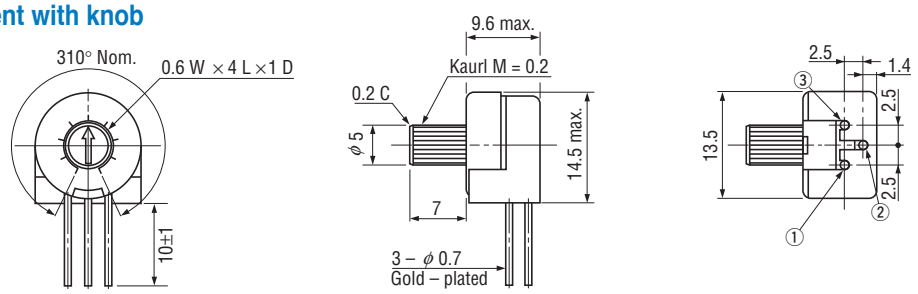
● λ-13TR (1113TR)
Top adjustment with knob



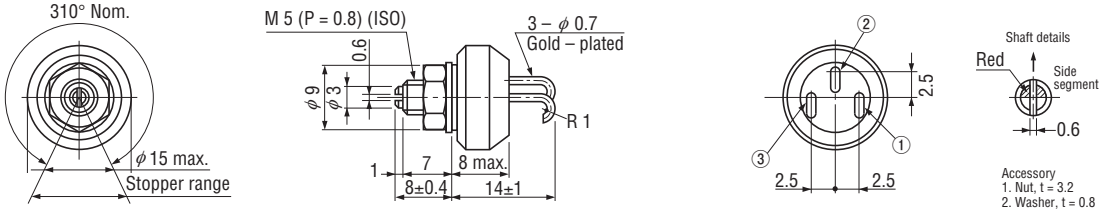
● λ-13S (1113S)
Side adjustment



● λ-13SR (1113SR)
Side adjustment with knob



● λ-13B (1113B)
Panel mount



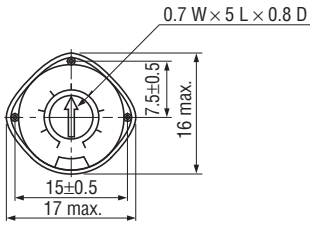
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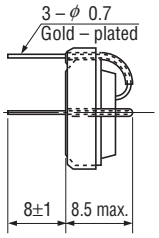
λ-6/λ-13
WIREWOUND TRIMMERS

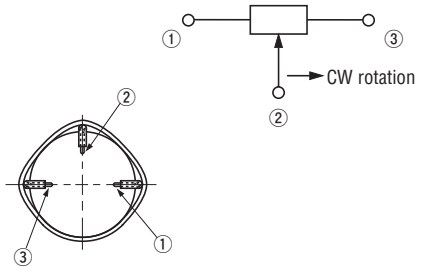
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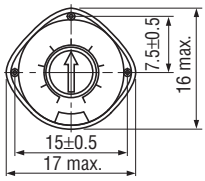
● λ-13F (1113F)
Rear adjustment

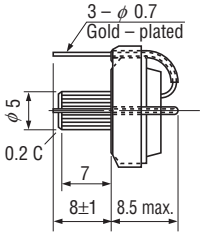


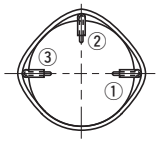




● λ-13FR (1113FR)
Rear adjustment with knob







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OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
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- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
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AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

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