

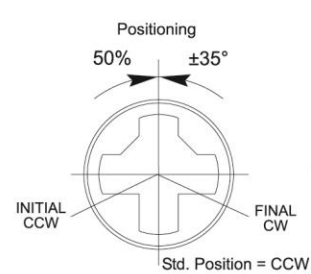


CA6

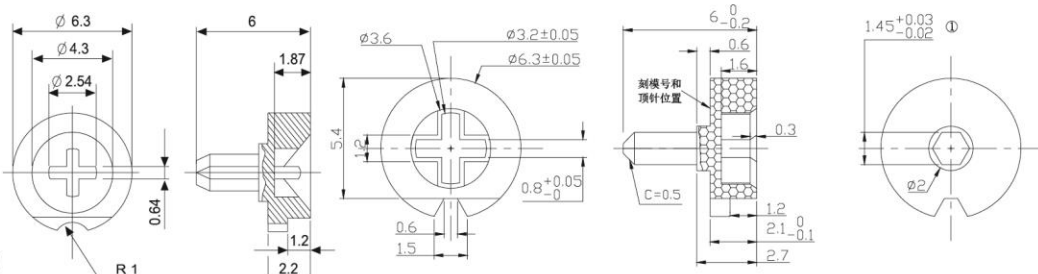
TRIMMER POTENTIOMETER

SHAFT 手柄

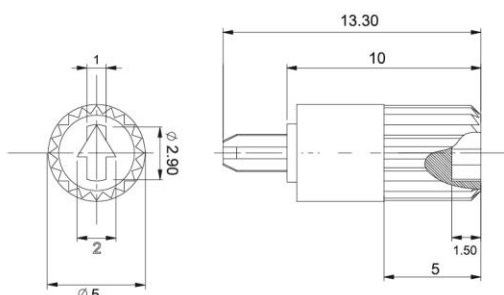
3#



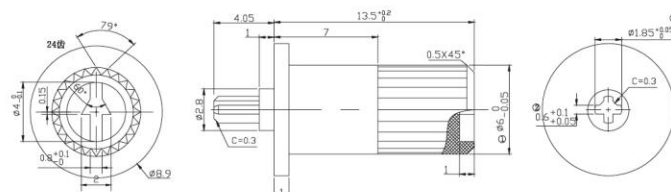
4#



5V



6V



Please order Shaft Separately

TESTS

ELECTRICAL LIFE	1.000h @ 50°C:0.1W	± 5%
MECHANICAL LIFE(CYCLES)	200 @ 10CPM...15CPM	± 3% (Rn<1M Ω)
TEMPERATURE COEFFICIENT	-25°C; +70°C	± 300ppm(Rn<100K)
THERMAL CYCLING	16h. @ 85°C; 2h. @ -25°C	± 2.5%
DAMP HEAT	500h. @ 40°C @ 95%HR	± 5%
VIBRATION (for each plane X,Y,Z)	2h. @ 10Hz... 55Hz.	± 2%

NOTE: Out of range values may not comply with these results.

TRIMMER POTENTIOMETER



CA9

CA9 9mm Carbon Potentiometer



特点

FEATURES

- 长寿命, 低成本。 — Carbon resistive element.
- 优良的防尘结构 没有任何开口部分。 — Dust proof enclosure.
- 力矩小。 — Polyester substrate.
- 阻值线性多样化。 — Also upon request:
- 旋转50%处有定位或整个旋转行程带定位。 ◇ Wiper positioned at 50% or fully clockwise.
- 品种规格多 适用性强。 ◇ Supplied in magazines for automatic insertion.
- ◇ Long life model CA-9...E(10000 cycles)
- ◇ Housing available in self extinguishable plastic (UL94V0)

机械性能

MECHANICAL SPECIFICATIONS

- 机械 — Mechanical
- 旋转角度 rotation angle: 240° ± 5°
- 电气 — Electrical
- 旋转角度 rotation angle: 220° ± 20°
- 旋转力矩 — Torque: < 2Ncm.
- 止档强度 — Stop torque: 5Ncm

电器性能

ELECTRICAL SPECIFICATIONS

- 阻值范围 Range of values: 100 Ω ≤ Rn ≤ 5M
- 阻值误差 — Tolerance: 100 Ω ≤ Rn ≤ 1M --- ± 20% 1M ≤ Rn ≤ 5M --- ± 30%
- 耐电压 — Max. Voltage: 200VDC(lin), 150VDC(no lin)
- 额定功率 — Nominal Power 40°C 0.15W(lin) 0.10W(no lin)
- 线性 — Taper: Lin(A); Log(B); Antilog(C)
- 残留电阻 — Residual resistance: Lin, Log, Antilog ≤ 5*10⁻³*Rn
- 平滑行 — Equivalent Noise Resistance: ≤ 3%Rn
- 环境温度 — Operating Temperature: -25°C + 70°C

型号命名

HOW TO ORDER

STANDARD				OPTIONAL EXTRAS			
CA-9	L	V	102	A	2020		
序列号 Series	孔的形式 Rotors	阻值 Value	电阻规律 Taper	寿命 Life	Cut track	Detent	Wiper position
CA-9	L LA K Y D M MA MT G	102=100 Ω 505=5M	A=Lin. (直线) B=Log. (指数) C=Alg. (对数)	E=Extended life	PCI=Initial PCF=Final	See PT's with detents data sheet	PM50% PF=Final position
		安装方式 Mounting Method	误差 Tolerance				柄 / 孔的颜色 Shaft/rotor colour
		H2.5 H3.8 H5 HS3.8 V7.5 V10 VR10 MAV10 MTV10 HSMD VSMD	2020=20% 3030=30%				NE=Black BA=White IN=Neutral TA=Transparent RO=Red VE=Green AM=Yellow AZ=Blue GS=Grey MR=Brown



CA9

TRIMMER POTENTIOMETER

HOW TO ORDER CUSTOM DRAWING

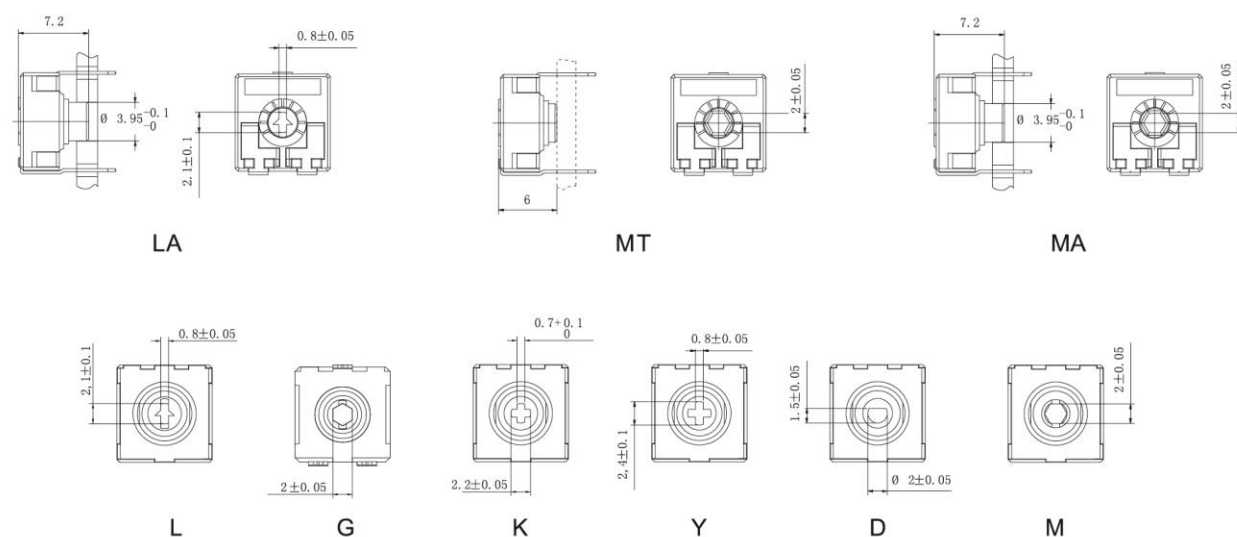
CA9 KV + DRAWING NUMBER (Max.16 characters)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras

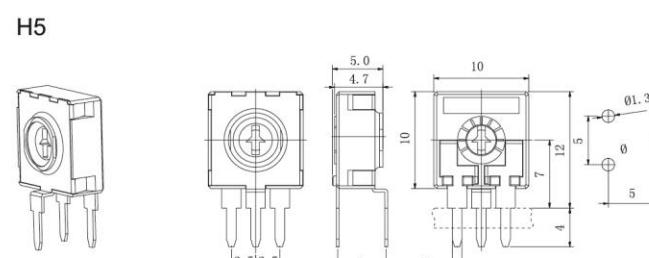
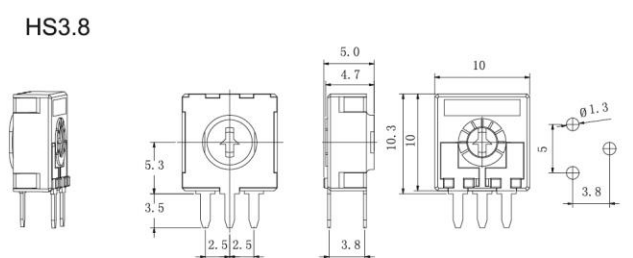
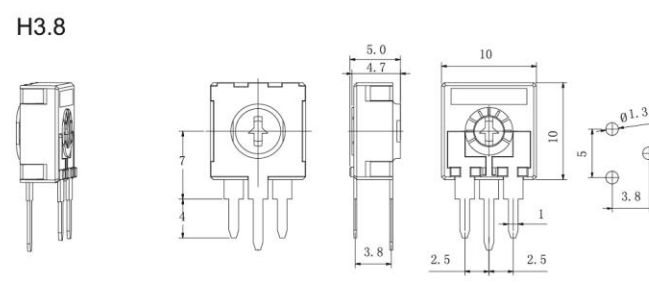
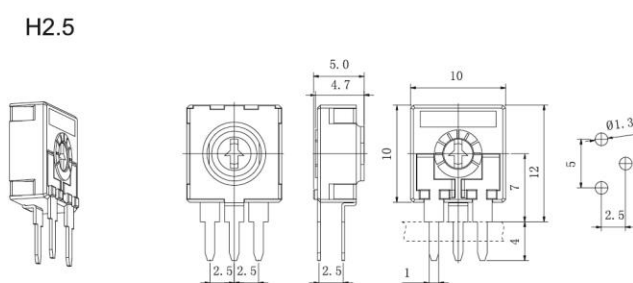
STANDARD OPTIONS

Long life10000 cycles
 Packing.....Bulk
 Rotor colour.....White
 Wiper positionInitial
 CrimpingWith crimping

ROTORS (孔的形式)



MOUNTING METHODS (安装方式)



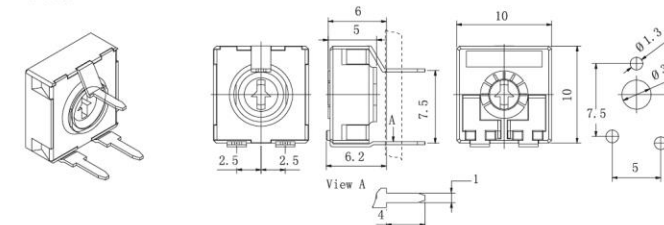
6

TRIMMER POTENTIOMETER

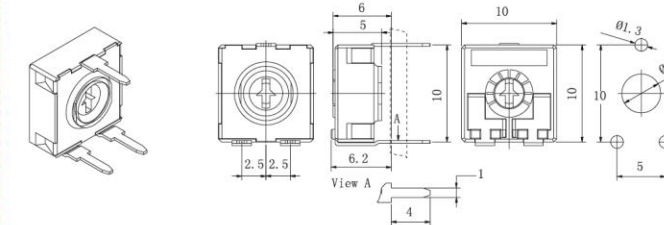


CA9

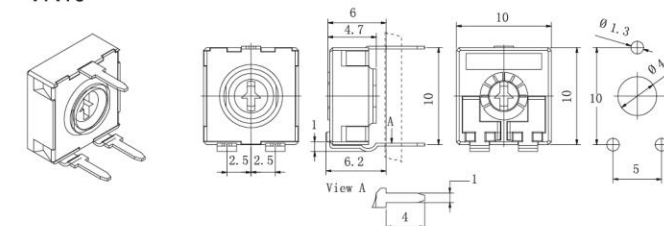
V7.5



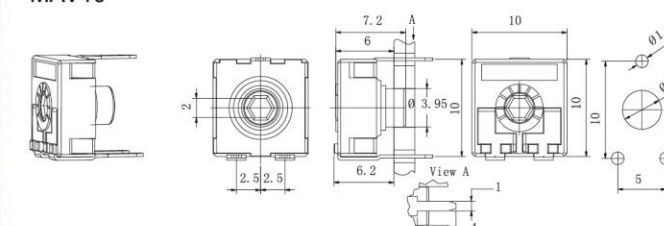
V10



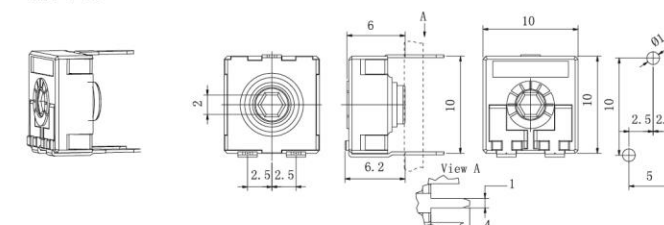
VR10



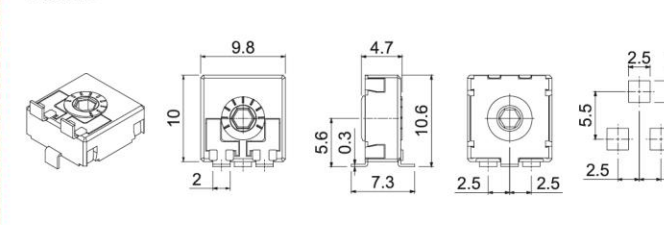
MAV10



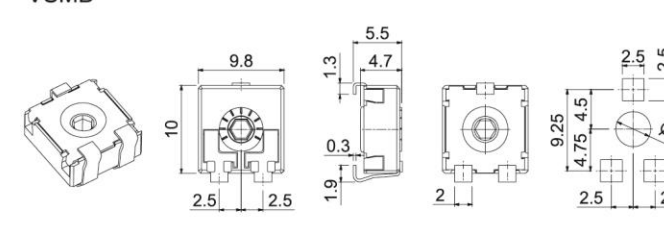
MTV10



HSMD

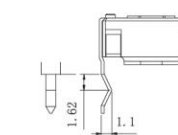
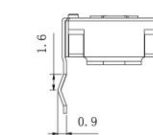


VSMD



Terminals (焊脚种类)

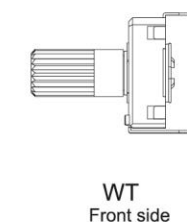
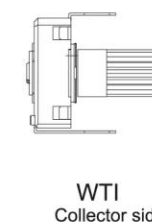
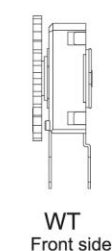
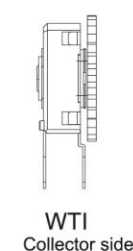
We can provide crimped terminals (with "snap in"), to better hold the component to the board prior to soldering.
 我们可以提供打弯式的焊脚，以便在焊接前能够更好的安装在PCB板上



Adjustment possibilities (手柄安装方式)

Potentiometers can be adjusted through either the front side (WT) or the collector side (WTI):

电位器手柄可以插入电位器正面或者背面调节



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CA9

TRIMMER POTENTIOMETER

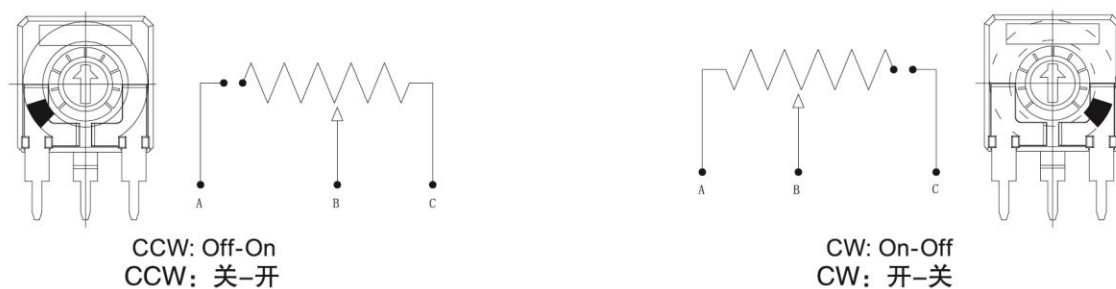
Potentiometers with cut track 电位器带开关功能

Recommended for lighting regulation. (推荐使用领域为灯光调节)

With cut at the beginning of the track CCW:off-on. (开关在电阻的起始位置, CCW: 关-开)

With cut at the end of track-CW:on-off. Others positions available on request.

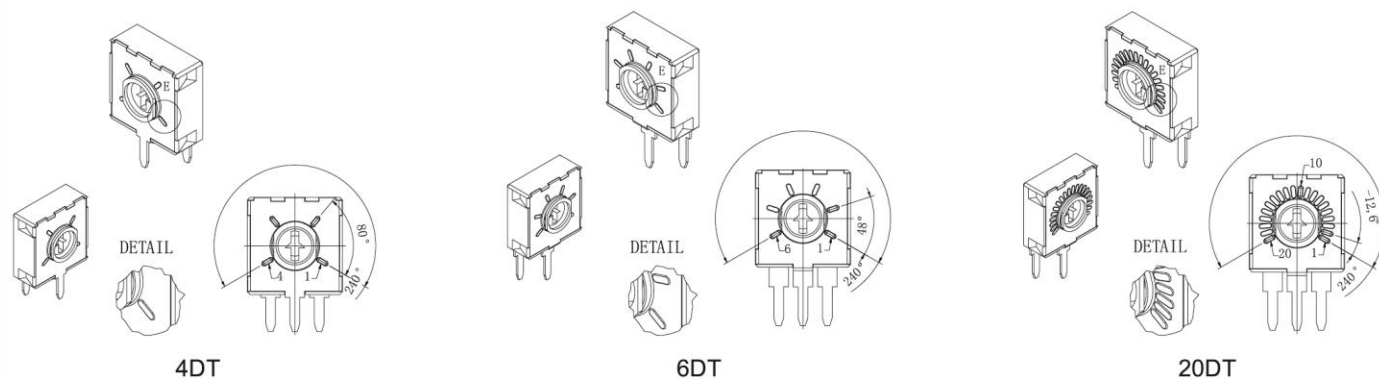
(开关在电阻的末端位置, CW, 开-关。其他可根据要求定制)



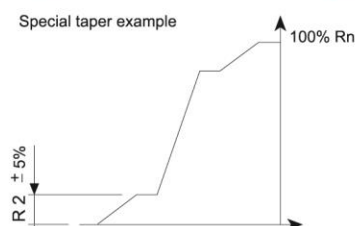
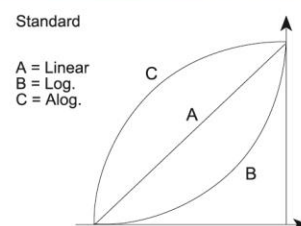
Potentiometers with detents (电位器带定位功能)

Detent feature(DT) is specially for control application. Detents can be 3,4,6,7,9,10 and up to 20.

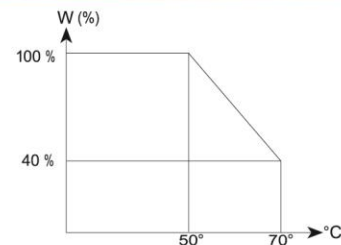
带定位的产品可适用于控制设备, 定位次数可以为3, 4, 6, 7, 9, 10...最高可达20次定位。



TAPERS



POWER RATING CURVE



NOTE = Please note relative terminals positions when ordering non linear tapers.

TESTS

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MECHANICAL LIFE(CYCLES)	500 @ 10CPM...15CPM	± 3% (Rn<1M Ω)
TEMPERATURE COEFFICIENT	-25°C; +70°C	± 300ppm(Rn<100K)
THERMAL CYCLING	16h. @ 85°C; 2h. @ -25°C	± 2.5%
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VIBRATION (for each plane X,Y,Z)	2h. @ 10Hz... 55Hz.	± 2%

NOTE: Out of range values may not comply with these results.

TRIMMER POTENTIOMETER



CA9

Shaft type

