

SHAFT SHOWN IN FULL  
C. C. W POSITION

**KSD** RV166 SERIES ROTARY POTENTIOMETERS  
RV166 旋转电位器

Electrical characteristics 电气特性

Total Resistance Range 总阻值	1K≤TR≤1MΩ
Resistance Tolerance 总阻值容许公差	±20%
Resistance Taper 阻值线性	A,B,C taper.
Rating Power 额定功率	B taper: 0.2W ; Other taper: 0.1W
Slide Noise 杂讯	Less than 100mV
Residual Resistance Value 残留阻值	Less than 20Ω
Dielectric Voltage 耐电压	For 1 minute or more AC 500V
Insulation resistance 绝缘阻抗	More than 100MΩ at DC 500V
Tracking Error 同步误差	-40~-0 dB ≤ ±3dB
Switch Contact Resistance 开关接触电阻	Less than 200mΩ

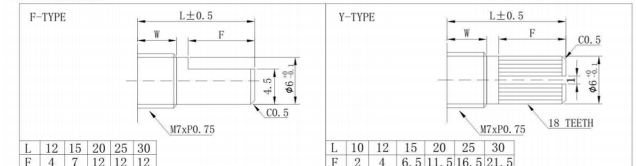
Mechanical characteristics 机械特性

Total Rotational Angle 旋转角度	300°±10°
Rotational Torque 旋转力矩	20gf.cm~200 gf.cm
Number of click 段位数量	1CC,11CC,21CC,41CC
Click Torque 段位力矩	100gf.cm~300 gf.cm
Stop Strength 止挡强度	6kgf.cm
Shaft Push & Pull Strength 轴推拉强度	8kgf.cm
Switch Rotation Angle 开关旋转角度	50°±10°
Switch Action 开关作动力	100~450gf.cm

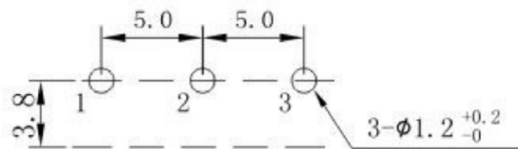
Environmental characteristics

Rotational Life 旋转寿命	10,000 cycles
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RV166 轴心规格



\* 具体轴心规格, 可依据客户需求订做。  
Specific axis specifications can be customized according to customer needs.



P. C. B MOUNTING HOLE DETAIL

**广东科斯达电子科技有限公司**  
KSDKG Guang dong Keside Electronic Technology Co., Ltd.

TOLERANCE UNLESS OTHERWISE STATED:  
Up to 5 ±0.2  
Above 5 ~ 15 ±0.3  
Above 15 ~ 30 ±0.4  
Above 30 ~ 50 ±0.5  
Angle ±0.3°

3RD. ANGEL'S



UNITS MM

DRAWN BY: Jack Lu 07/23/13  
CHECKED BY: Jacky Chen 07/23/13  
APPROVED BY: Tony Kao 07/23/13

MAT'L	TITLE	ROTARY POTENTIOMETER
FINISH	MODLE	旋转电位器系列
SCALE 1 : 1	DWG NO.	KSD-RV-1663NS1
SHEET NO. 1 of 1	PART NO.	

2	公差及料號更新	Jack	072313
1	圖面更新	Frank Wu	021012
ITEM NO.	DESCRIPTION	DRAWN	DATE