



CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	拨盘电位器/拨轮电位器
MODEL NO.	型 号:	XB-RV-1012N series
DRAWING NO.	图 形 号:	ENCODER W/I SWITCH

若此产品规格符合贵司要求，敬请确认此规格书内所有项目
并签名和盖章后回传给我司，以作我司产品制作之
依据和存档之用，多谢合作！

EXAMINE & APPROVAL 审批

APPROVE 接受			NOT APPROVE 不接受		
SIGNATURE 签署 STAMP 盖章 DATE 日期					

PREPARED BY.制表人	CHECKED BY.校对	APPROVED BY.审核	APPROVAL BY. 批准
研发部 戴海明 2022. 06. 08	品质部 黄自清 2022. 06. 08	工程部 庞军 2022. 06. 08	总经办 吴量 2022. 06. 08

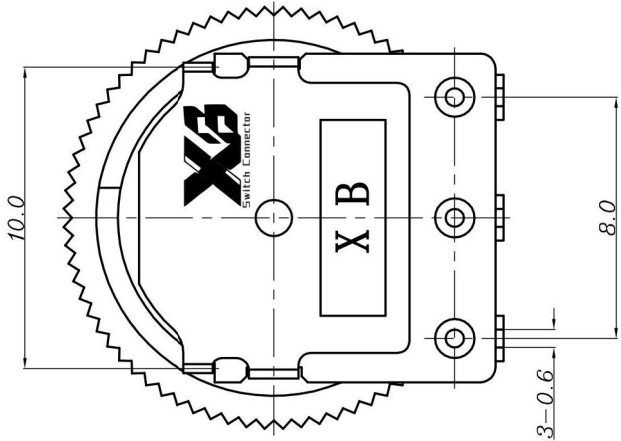
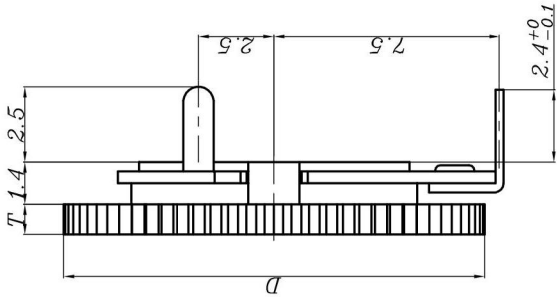
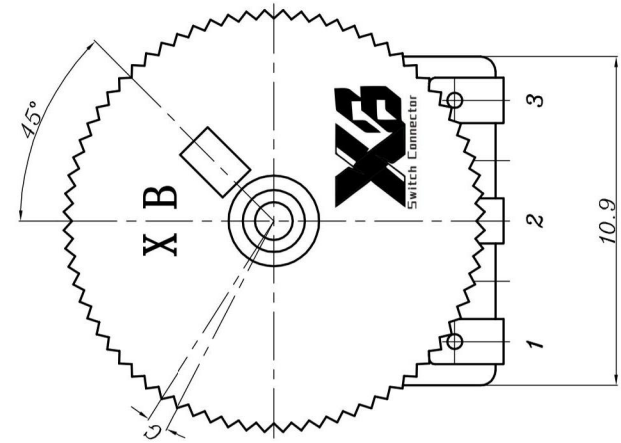
Dong guan Xi Bang Electronics Co., Ltd
地址: 广东省东莞市黄江镇合路工业区
Address: He Lu Industrial Zone, Huangjiang Town
, Dongguan City, Guangdong Province
Tel: (0769)82055138/82056828
Fax: (0769)83663452

AccountNumber: 705540238
BankName: CitibankN. A., HongKongBranch
Country/Region: Hong Kong
BankCode: 006
BankAddress: 3GardenRoad, Central, Hong Kong
SWIFT/BIC: CITIHKHX (CITIHKHXXXX*If 11 characters are required)

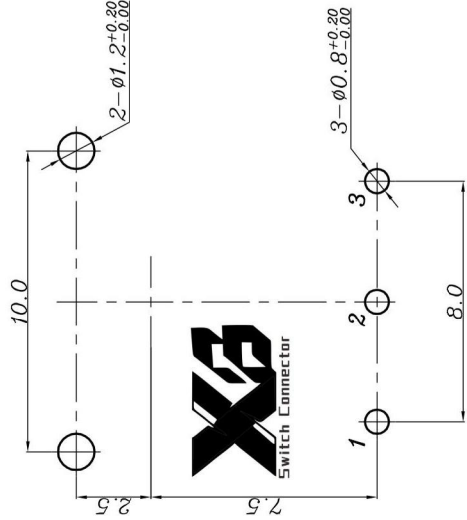
MAiL: HK@ALPSR.CN XB@ALPSR.CN XB@ALPSR.COM
Quality core! Afterburner for Made in China!

ROHS

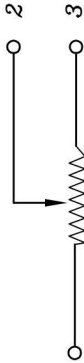
DIMENSIONS



P.C.B. MOUNTING HOLE DETAIL



KNOB SHOWN IN FULL
C.C.W. POSITION



CIRCUIT: N

[XX]	14/0.8	14/1	14/2	14/2.8	16/1	16/2	16/2.8	18/1	18/2	18/2.8	20/1	20/2	20/2.8	15/1
D	ø14.0	ø14.0	ø14.0	ø14.0	ø16.0	ø16.0	ø16.0	ø18.0	ø18.0	ø18.0	ø20.0	ø20.0	ø20.0	ø15.0
T	0.8	1.0	2.0	2.8	1.0	2.0	2.8	1.0	2.0	2.8	1.0	2.0	2.8	1.0
C	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	72-5°	90-4°

**东莞市溪榜电子有限公司**
DONG GUAN XI BANG ELECTRONICS CO., LTD

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

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

UNITS	MM
3RD. ANGEL'S	

DRAWN BY:	GAO PENG	DATE	07/23/13
CHECKED BY:	PANG DONG	DATE	07/23/13
APPROVED BY:	HE. LONG. FEI	DATE	07/23/13

MAT'L	TITLE	ENCODER	
FINISH	MODLE	ENCODER W/I SWITCH	
SCALE	1 : 1	DWG NO.	XB-RV-1012N
SHEET NO.	1 of 1	PART NO.	
			SIZE
			A4
			VER
			R2

SPECIFICATION (INITIAL)
RATING: DC 5V 0.5mA 10mA
ANGLE: FULL ROTATION ANGLE: 360 DEGREES
CONTACT RESIS TANCE: 100mΩ max
INSULATION RESISTANCE: 100MΩ DC 250V 1mA
WITHSTAND VOLTAGE: 300V AC/min or
OPERATION FORCE: 6 ± 3N 600gf ± 300gf
SWITCHING LIFE: 20,000 cycles

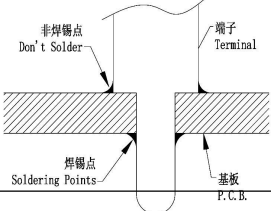
1 ELECTRICAL CHARACTERISTICS 電氣特性

Item	Content 項目	Specification 規格
1.1	Total Resistance 總阻	B1K
1.2	Total Resistance Tolerance 總阻誤差	± 20 %
1.3	Resistance Taper 電阻特性曲綫	B taper
1.4	Power Rating 負載功率	0.05W
1.5	Max. operating Voltage 最大工作電壓	50V AC /12V DC
1.6	Residual Resistance 殘留電阻	R1-2 ≤10 Ω ; R2-3 无
1.7	Rotational Noise 旋轉雜音	≤47 mV
1.8	Tracking Error 同步誤差	-40~0 dB ≤ ±3dB
1.9	Insulation Resistance 絕緣電阻	≥100 MΩ at DC 100 V
2.0	Withstanding Voltage 耐電壓	1 Minute at AC 100 V

2 MECHANICAL CHARACTERISTICS 機構特性

2.1	Dimensions 外形尺寸	Refer to the separate product chart (具體參照產品圖面)
2.2	Total Rotational Angle 旋轉角度	270° ± 5°
2.3	Rotational Torque 旋轉力矩	10 ~ 150 gf.cm
2.4	Shaft Stop Strength 止擋強度	≥0.8kgf.cm
2.5	Push & Pull Strength 推拉强度	Push ≥0.5kgf / Pull ≥0.2kgf

3 DURABILITY CHARACTERISTICS 耐久特性

3.1	Rotational Life 旋轉壽命	≥10,000 cycles (after testing: Resistance change within ± 15% Rotational Noise : ≤150mV)
3.3	Working Temperature 工作温度	-20℃ ~ + 70℃
3.4	Soldering Heat Characteristic 焊錫耐熱性 	Auto Soldering : 260℃±10℃ ; time: 5±1 sec Manual Soldering : 300℃±5℃ ; time: 3±1 sec

					Toproor Type Name 產品名稱	XB-RV-1012N	
Doc. No.文號	XB-RV-1012N	Ver. No.版本號	00	Page 頁碼	1 / 1	Date 日期	2019-6-12
Prepared By 承辦	庞东	Reviewed By 審核	贺龙飞	Approved By 批准	高鹏	Description 描述	雙聯 旋轉電位器