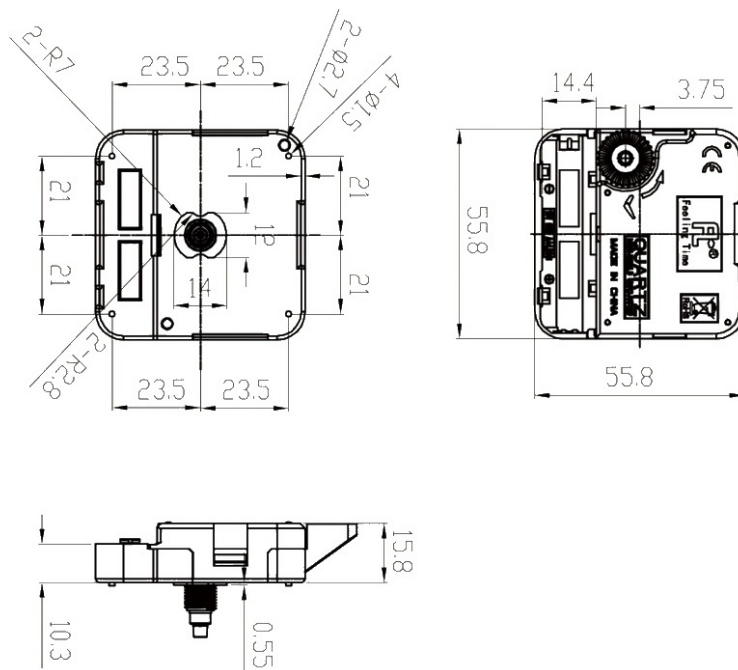


Feeling Time 扫秒机芯

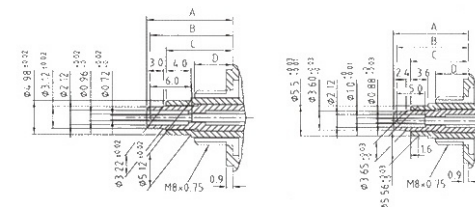
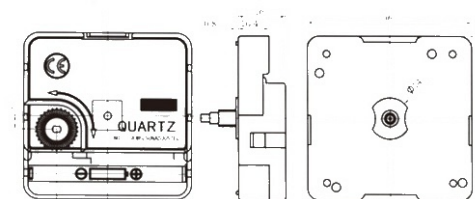
外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	16 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃ ~+50℃
秒针输出力矩	Second torque	≥3.6gf-cm(1.5v)
分针输出力矩	Minute torque	>50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功 耗	Power Consumption	≤140μA 1.5v
轴 长	Shaft length	8/9/12/13/14/16/18/20/22/26/28



Sweep Movement



S2018



Step Movement



M2018

S2018 扫秒机芯

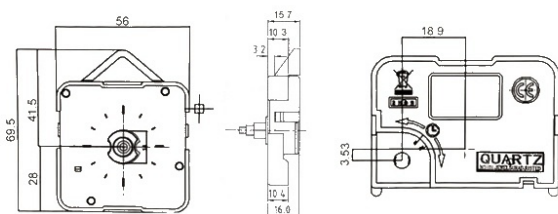
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	16 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥3.6gf-cm(1.5v)
分针输出力距	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功耗	Power Consumption	≤140μA 1.5v
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

M2018 跳秒机芯

Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	18 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥1.6gf-cm(1.5v)
分针输出力距	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功耗	Power Consumption	≤140μA 1.5V
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28



Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	12 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃ ~+50℃
秒针输出力矩	Second torque	≥3.6gf-cm(1.5v)
分针输出力矩	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功 耗	Power Consumption	<200μA 1.5v
轴 长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

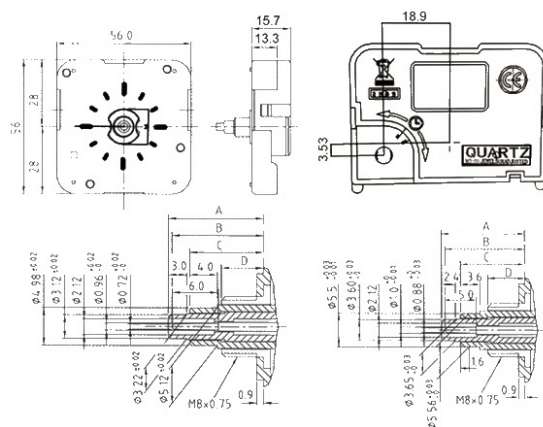
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	12 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	+1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥3.6gf-cm(1.5v)
分针输出力距	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功 耗	Power Consumption	≤250μA 1.5V
轴 长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

Sweep Movement



S2888



大扭力低功耗
High power Low energy



M2888

S2888 扫秒机芯

Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	10 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23°C
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10°C~+50°C
秒针输出力矩	Second torque	≥3.6gf-cm(1.5v)
分针输出力矩	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功耗	Power Consumption	≤320μA 1.5v
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

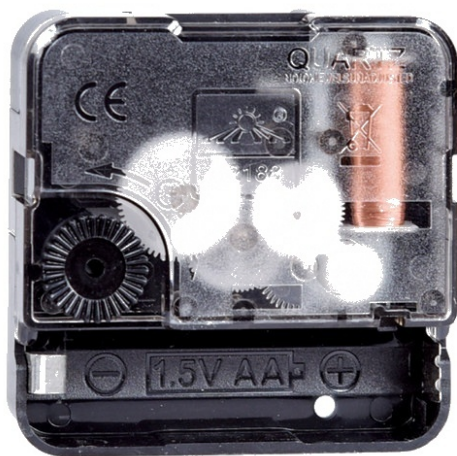
M2888跳秒机芯

Specification

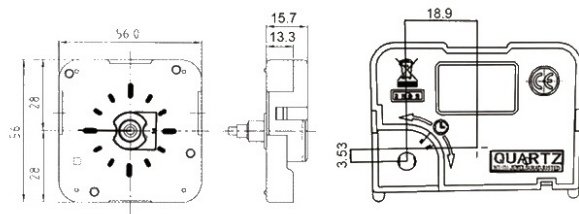
外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	12 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23°C
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10°C~+50°C
秒针输出力矩	Second torque	≥1.8gf-cm(1.5v)
分针输出力矩	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功耗	Power Consumption	<180μA 1.5V
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

分针螺丝固定高扭力机芯

Sweep Movement



S2188



S2188 扫秒机芯

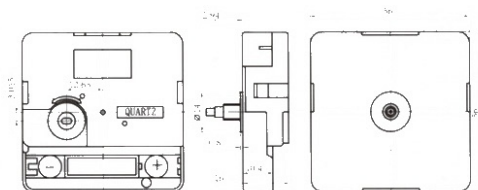
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	6-7months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力矩	Second torque	≥3.6gf-cm(1.5v)
分针输出力矩	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功耗	Power Consumption	≤430μA 1.5V
轴长	Shaft length	8 9 12 13 14 16 18 20 22 26 28

Step Movement



M2188



M2188 跳秒机芯

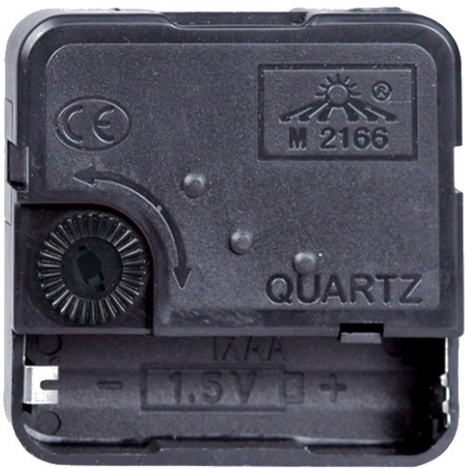
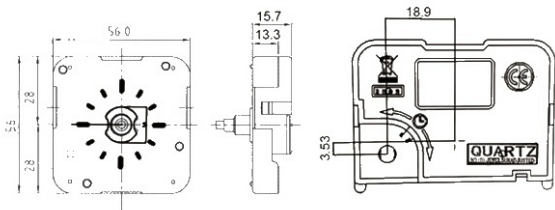
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	12months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力矩	Second torque	>1.6gf-cm(1.5v)
分针输出力矩	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功耗	Power Consumption	≤180μA 1.5V
轴长	Shaft length	8 9 12 13 14 16 18 20 22 26 28

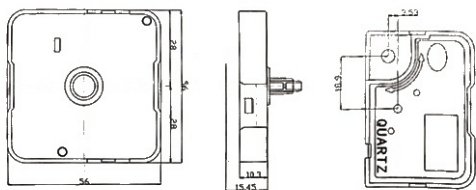
Sweep Movement



S2166



M2166



S2166 扫秒机芯

Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	6 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力矩	Second torque	≥3.6gf-cm(1.5v)
分针输出力矩	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功耗	Power Consumption	≤800μA 1.5v
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

Step Movement

M2166 跳秒机芯

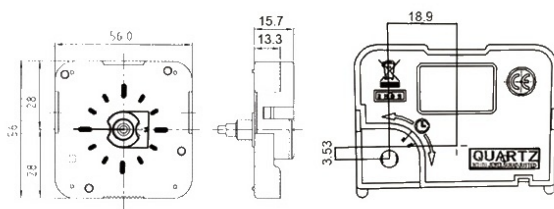
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	10 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力矩	Second torque	≥1.4gf-cm(1.5v)
分针输出力矩	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功耗	Power Consumption	≤200μA 1.5v
轴长	Shaft length	8/9/12/13/14/16/18/20/22/26/28

Sweep Movement



S3268



S3268 扫秒机芯

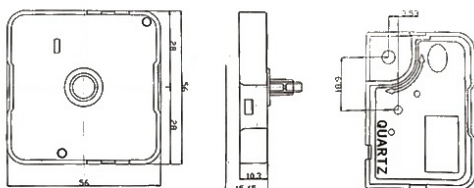
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	5 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±5 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥3.6gf-cm(1.5v)
分针输出力距	Minute torque	≥50gf-cm(1.5v)
圆周输出频率	Circuit output frequency	8Hz
功 耗	Power Consumption	<1200μA 1.5V
轴 长	Shaft length	8 9 12 13 14 16 18 20 22 26 28

Step Movement



HQ3268



HQ3268 跳秒机芯

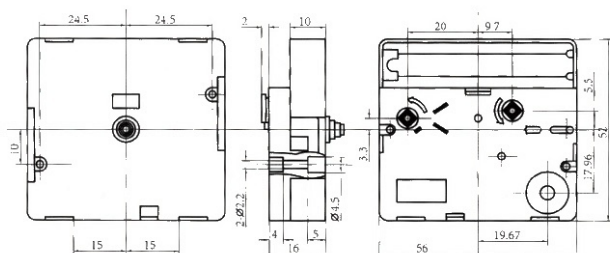
Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	6 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±5 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥1.4gf-cm(1.5v)
分针输出力距	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功 耗	Power Consumption	<320μA 1.5V
轴 长	Shaft length	8 9 12 13 14 16 18 20 22 26 28

Alarm Movement



M2188



QA1868

M2188 闹机机芯

Specification

外观尺寸	Dimension	56*52*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	12 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
扭力	Torque second shaft	≥150uNM
功耗	Power Consumption	≤180μA 1.5v
轴长	Shaft length	6/7/8/9/10

QA1868 闹机机芯

Specification

外观尺寸	Dimension	56*52*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	9 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±2 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
扭力	Torque second shaft	≥150uNM
功耗	Power Consumption	≤270μA 1.5v
轴长	Shaft length	6/7/8/9/10

Sweep Alarm Movement

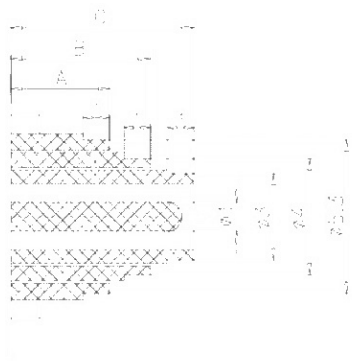
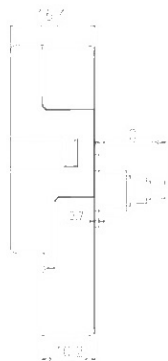
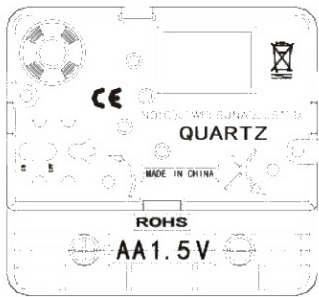
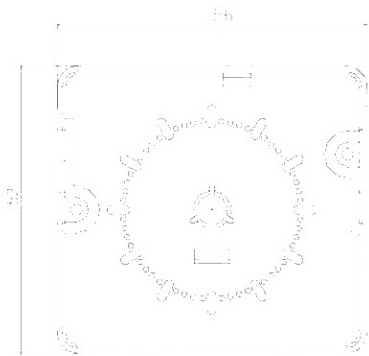


S2188

S2188扫描闹钟机芯

Specification

外观尺寸	Dimension	56*52*16.4mm
电池型号	Battery size	AA size(IEC R6) 1pc
电池寿命	Battery life	12 months
消耗电流	Current Consumption	≤300uA at 1.5VDC.
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.3V~1.7V
工作温度	Operating temperature	-10℃~+50℃
额定电压	Rated Voltage	1.5V
响闹持续时间	Alarm Duration	45+15minutes
响闹(蜂鸣器)	Alarm (Buzzer)	Less than 8mA at 1.5V DC.
响闹精度	Alarm Setting Accuracy	±3min, Against Setting time
分贝	Beep dB(Buzzer) BI BI	80dB at 10cm



Seiko shari 精！轴

轴长	A	B	C
5	2.4	3.8	5.3
6	3.4	4.8	6.3
7	4.4	5.8	7.3
9	6.4	7.8	9.3
14	11.4	12.8	14.3

Sweep Movement



S2188Y 摇摆扫秒机芯

Pendulum Movement

Specification

外观尺寸	Dimension	95*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	5 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±1 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
圆周输出频率	Circuit output frequency	8Hz
平均功耗	Average Current	under 330uA at 1.5V
最大钟摆重量	Max weight of pendulum	50g
钟摆最大长度	Max lenght of pendulum	30cm
轴 长	Shaft length	8.9/12/13/14 16/18/20/22/26/28

Step Movement



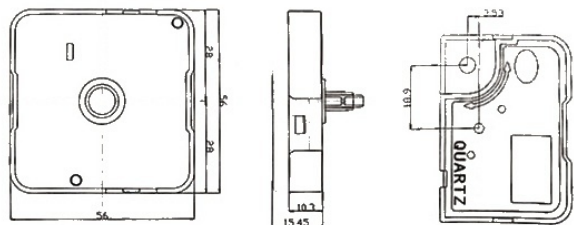
M2288 中电机

Switch Movement 止秒机芯

Specification

外观尺寸	Dimension	56*56*16mm
电池型号	Battery size	AA size(iEC R6) 1pc
电池寿命	Battery life	6 months
震荡石英	Crystal oscillator	32.768 KHz
日秒差	Accuracy	±5 sec/day at 1.5V23℃
工作电压	Operating voltage	1.25V~1.7V
工作温度	Operating temperature	-10℃~+50℃
秒针输出力距	Second torque	≥1.4gf-cm(1.5v)
分针输出力距	Minute torque	≥30gf-cm(1.5v)
圆周输出频率	Circuit output frequency	0.5Hz
功 耗	Power Consumption	≤320μA 1.5V
轴 长	Shaft length	8.9/12/13/14 16/18/20/22/26/28

M2288



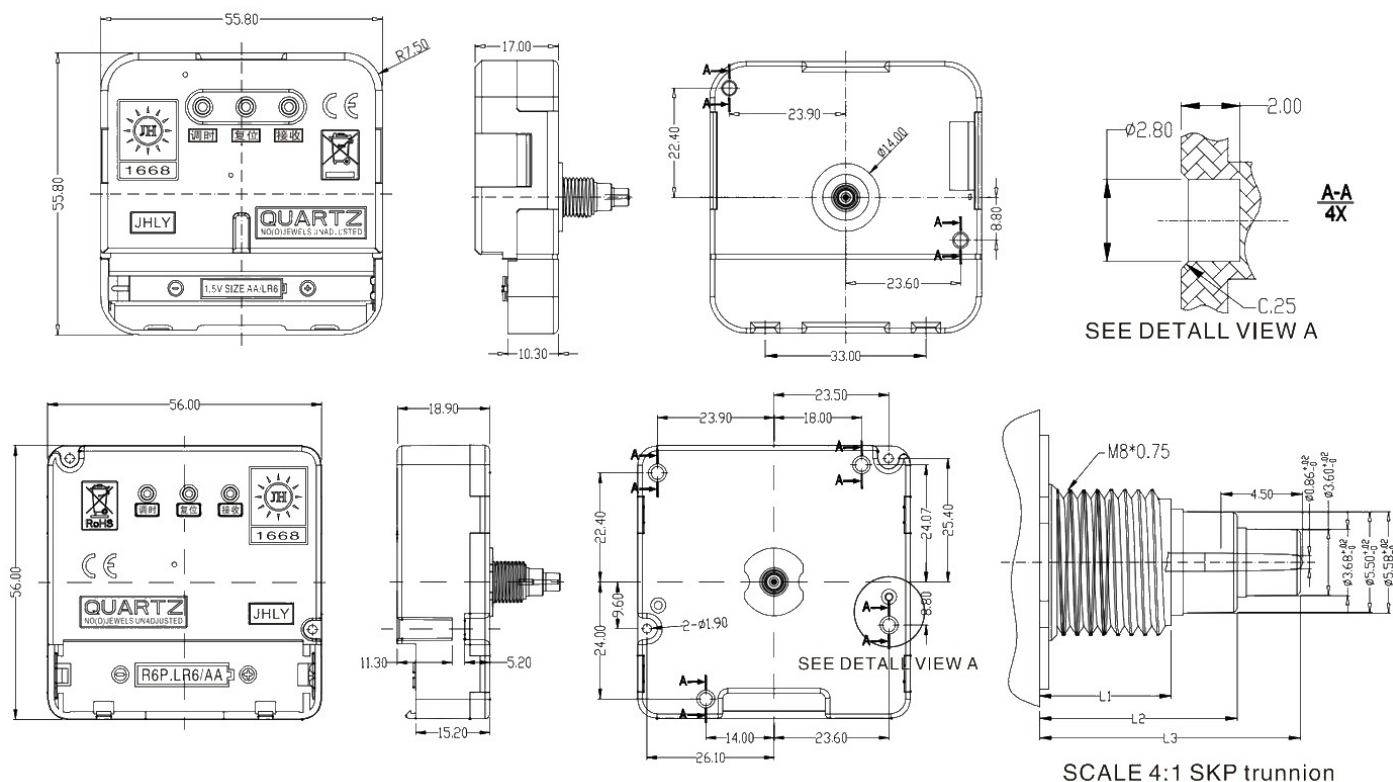


工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 1.5V
工作温度	Operation Tempereare Range	-10℃~+50℃	电池寿命	Battery Life	About 12 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 5sec/month at 1.5v, 25℃			

蓝牙机芯 17mm/19mm Bluetooth Clock Movement



JH1668 LY



技术参数 Specification(17mm/19mm)

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 1.5V
工作温度	Operation Temperature Range	-10℃~+50℃	电池寿命	Battery Life	About 10month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 15sec/month at 1.5v, 25℃			

蓝牙机芯 17mm/19mm Bluetooth Clock Movement

图示2:

机芯装上电池归零过程中，信号灯红灯闪亮，打开手机设置内的蓝牙设置界面。

初始蓝牙开启时间为3分钟



注：安卓系统手机连接时会出现授权信息界面，请点击同意或确认，此为安卓系统设置，不会影响到个人其他信息。

蓝牙机芯的优势:

- 1.全世界通用产品，设置后自动识别连接手机。
- 2.走时时间与所连接手机时间分秒不差。
- 3.自动校时，走时准确。00:00-06:00夜间停秒，环保又省电。
- 4.静音扫秒，光控机械校正。
- 5.标准外观机芯通用所有钟壳产品。

机芯使用说明:

- 1.拔掉机芯后面保险针
- 2.按正确方向装入1.5伏电池
- 3.等待指针机械复位，时、分、秒针会转到12点位置停止。
- 4.机芯归零时，用手机进行蓝牙设置。
- 5.机芯自动识别以最后一台手机为准，如果之前有连接过的手机，按接收键开启机芯蓝牙授信时，点击蓝牙名称BT Clock即可。
- 6.指针校准完成后马上会自动调时到当前手机时间。调时全程不需要对机芯有任何操作。
- 7.初次装上电池连接时，信号灯孔红灯闪亮，连接成功后，红灯长亮5秒

机芯功能说明:

- 1.产品有自动校时功能，隔天会自动进时间联网校准。(下午15:00与22:00两次校时)
- 2.产品断电记忆功能:在已连接过的手机范围内，重装、更换电池或按复位键，不需要手机操作，10秒内自动连接到手机校时。
(手机蓝牙开关必须为打开状态)
- 3.调时键:长按此按键3秒以上，启动人工调时，秒针停止，长按不放分针开始快速转动。每短按一次，分针走一分钟，调至所需的时间。调时OK后按接收键确认秒针开始走时
- 4.接收键:在走时过程中长按此键3秒以上，强制开启蓝牙联网功能，如在已连接过的手机区域内，则会自动连接到手机蓝牙，自动进行时间更新。
- 5.复位键:上电后，在任何阶段按此键，机芯进行归零复位动作，如已连接手机区域内，10秒内自动连接手机蓝牙。如在新区域，则需按图2步骤再次进行手机蓝牙连接。



WiFi机芯 不充电款17mm/19mm WiFi Clock Movement



JH1668 WIFI A

机芯装上电池归零过程中，信号灯红灯闪亮，打开手机设置内的WiFi设置界面。



刷新找到产品网络名称，
点击连接

过渡显示产品时区及版本
界面

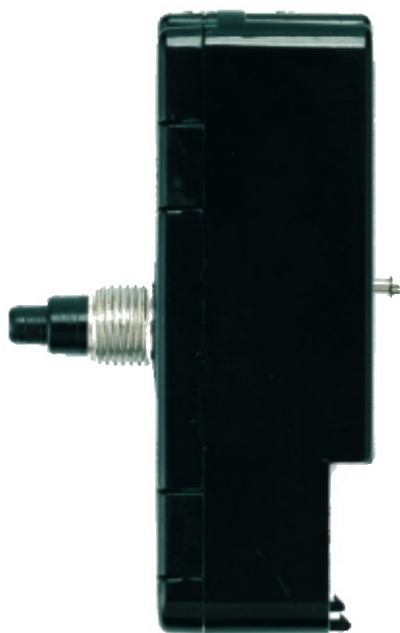
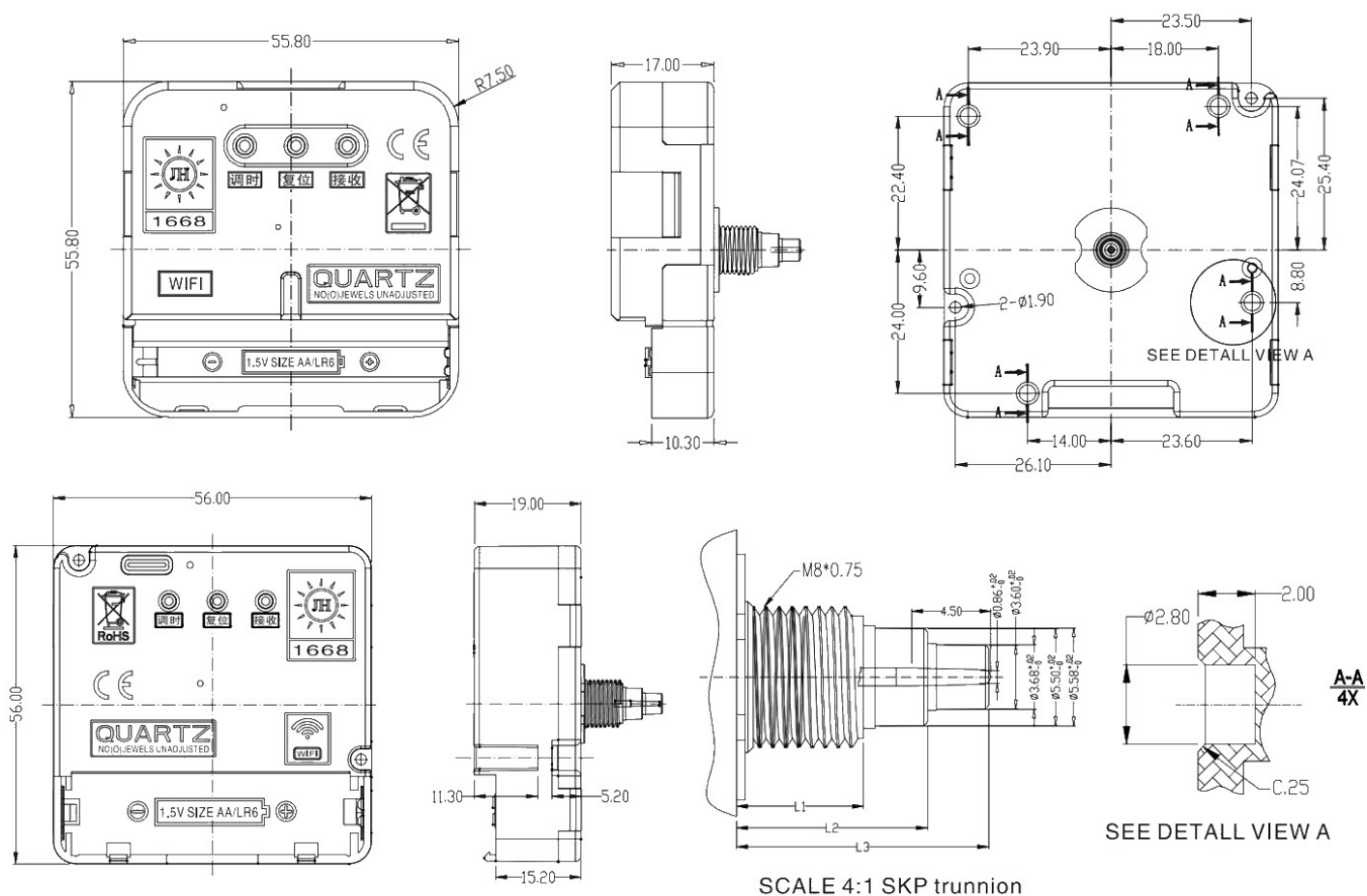
点击选择路由器网络名称，
输入WiFi密码，点击下方
“设置”确认。

连接成功，信号灯长亮
五秒即可。

技术参数 Specification(17mm/19mm)

工作电压	Operating Voltage	1.30V to 1.70V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 1.5V
工作温度	Operation Tempereature Range	-10℃~+50℃	电池寿命	Battery Life	About 6~8month
月 差	Time Keeping Accuracy	± 15sec/month at 1.5v, 25℃			

WiFi机芯 不充电款17mm/19mm WiFi Clock Movement

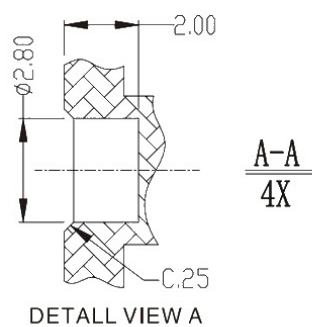
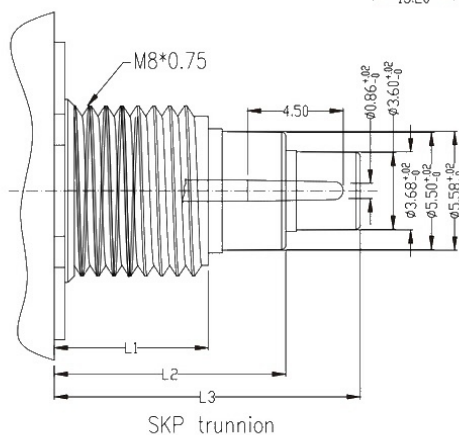
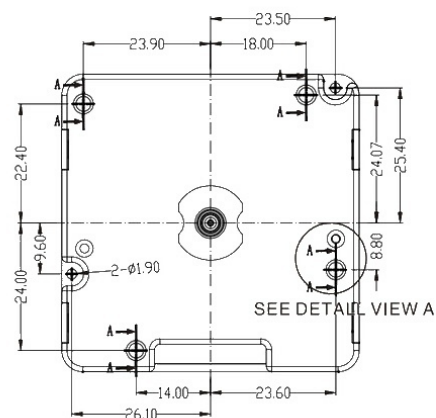
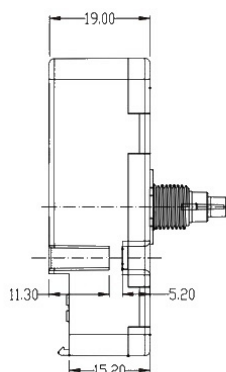
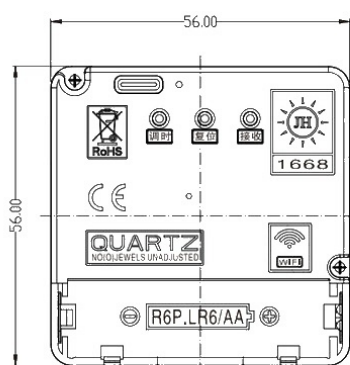


MODEL	L1	L2	L3
1668-8.00		5.50	7.70
1668-11.00	3.20	7.20	10.70
1668-13.00	5.50	9.20	12.70
1668-14.50	6.80	10.70	14.20
1668-17.00	9.60	13.20	16.70
1668-20.00	12.30	16.20	19.70
1668-22.50	14.80	18.70	22.20
1668-28.00	19.30	23.70	27.70

WiFi机芯（充电版）WIFI Clock Movement



JH1668 WIFI B



技术参数 Specification

接收时间 Time to receive signa	≤10S (自动接收)	工作电压 Operating Voltage	3.0V to 4.2V
自动接收 Automatic reception	7天/次	消耗电流 Current Consumption	Less than 200uA at 3.7V DC.
月差 Time Keeping Accuracy	± 15sec/month at 3.7v, 25°C	电池寿命 Battery Life	About 8 month(3.7V Li-Lon 14500)
秒针扭力 Torque at Second Hand	1.0gf-cm over/at 3.7V	充电电压/电流 Charging voltage/current	DC5V/1-2A
分针扭力 Torque at Minute Hand	6.0gf-cm over/at 3.7V	工作温度 Operatin TempereatureRange	-10°C~+50°C

WiFi机芯（充电版）WIFI Clock Movement



MODEL	L1	L2	L3
1668-8.00		5.50	7.70
1668-11.00	3.20	7.20	10.70
1668-13.00	5.50	9.20	12.70
1668-14.50	6.80	10.70	14.20
1668-17.00	9.60	13.20	16.70
1668-20.00	12.30	16.20	19.70
1668-22.50	14.80	18.70	22.20
1668-28.00	19.30	23.70	27.70

WiFi机芯的优势:

- 1.全世界通用产品,自动识别各地区时区。
- 2.设置界面文字为中英文自动转换。
- 3.走时时间与网络时间分秒不差。
- 4.自动校时,走时准确。00:00-06:00夜间停秒,环保又省电。
- 5.静音扫秒,光控机械校正。
- 6.标准外观机芯通用所有钟壳产品。

机芯功能说明:

- 1.产品有自动校时功能,每周五15:00会自动进时间联网校准。
- 2.产品断电网络记忆功能:在已连接过的网络区域内,重装、更换电池或按复位键,不需要手机操作,15秒内自动连接到当前网络。充电过程中,按复位键后也会自动连接网络。
- 3.调时键:长按此按键3秒以上,启动人工调时,秒针停止,长按不放分针开始快速转动。每短按一次,分针走一分钟,调至所需的时间。调时OK后按接收键确认秒针开始走时。
- 4.接收键:在归零或走时过程中长按此键3秒以上,强制开启WiFi联网功能,用手机按流程操作,如在已连接过的网络区域内,则会自动连接到当前WiFi网络,自动进行时间更新。
- 5.复位键:上电后,在任何阶段按此键,机芯进行归零复位动作,如已连接网络区域内,15秒内自动连接当前网络。如在新网络区域,则需网络连接。

机芯使用说明:

- 1.拔掉机芯后面保险针
- 2.按正确方向装入3.7伏可充电锂电池(电池型号:14500)。
- 3.等待指针机械复位,时、分、秒针会转到12点位置停止。
- 4.机芯归零时,用手机进行网络设置。
- 5.指针校准完成后1分钟内,会自动调时到当前网络时间。调时全程不需要对机芯有任何操作。
- 6.初次装上电池连接网络时,信号灯孔蓝色灯闪亮,连接成功后,蓝灯长亮15秒。
- 7.电池电量低时,指针停走,此时需给机芯电池进行充电,连接手机充电器,充电时信号灯孔红灯长亮,充满后绿灯长亮,拔掉充电线。(电量低时,长时间不充电,会损坏电池)



智能中国码电波机芯 (BPC) Radio Clock Movement



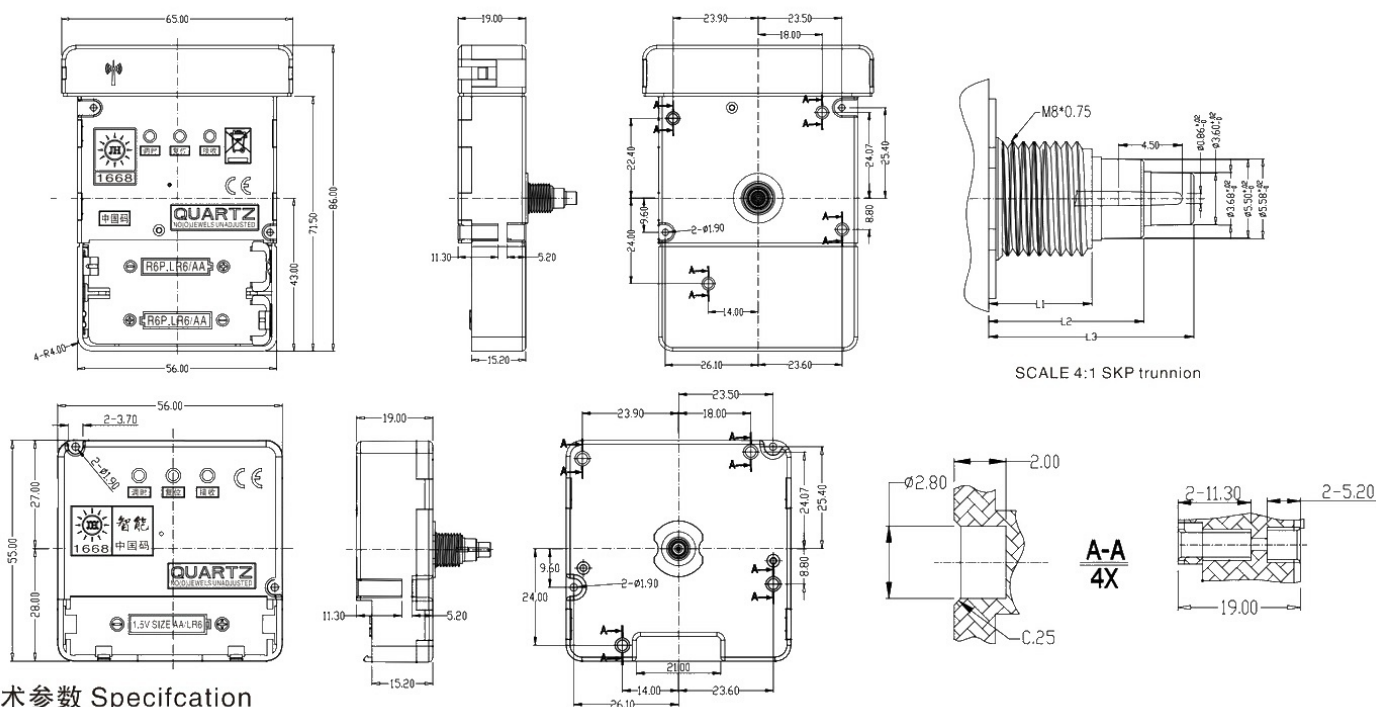
大天线灵敏度: 25uV/m

JH1668 BPC1



小天线灵敏度: 45uV/m

JH1668 BPC2



技术参数 Specification

工作电压	Operating Voltage	2.2V to 3.4V/1.3V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 3.0V/1.5V
消耗电流	Current Consumption	Less than 180uA at 3.0V/1.5V DC.	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 3.0V/1.5V
工作温度	Operation Temperature Range	-10℃~+50℃	电池寿命	Battery Life	About 12 month (2X1.5/1.5V size R6/AA)
月 差	Time Keeping Accuracy	± 15sec/month at 3.0V/1.5V, 25℃			

智能中国码电波机芯（BPC）Radio Clock Movement



MODEL	L1	L2	L3
1668-8.00		5.50	7.70
1668-11.00	3.20	7.20	10.70
1668-13.00	5.50	9.20	12.70
1668-14.50	6.80	10.70	14.20
1668-17.00	9.60	13.20	16.70
1668-20.00	12.30	16.20	19.70
1668-22.50	14.80	18.70	22.20
1668-28.00	19.30	23.70	27.70

智能中国码的优势:

- 1.全自动调整时间,全程不需要任何操作。
- 2.全自动接收信号,与北京时间分秒不差。
- 3.智能校时,走时准确。夜间停秒,环保又省电。
- 4.静音扫秒,光控机械校正。
- 5.55mm*56mm小电波机芯通用所有钟壳产品。
- 6.大天线电波机芯,反馈效果佳,接收更灵敏。

机芯使用说明:

- 1.拔掉机芯后面保险针。
 - 2.按正确方向装入电池(建议碱性电池优先)。
 - 3.等待指针机械复位,时、分、秒针会转到12点位置停止。
 - 4.指针校准完成后约2-3分钟,会自动调时到北京时区。
- 调时全程不需要任何操作。

机芯功能说明:

- 1.机芯有自动校时功能(每天会自动校分、校秒),装上电池不需要任何操作。每天凌晨有3次自动接收北京标准时间即(02:00、03:00、04:00)。
- 2.机芯断电记忆功能:更换电池时,拔掉电池,机芯记忆时间,装上电池后自动对时。
- 3.调时键:长按此按键3秒以上,启动人工调时,秒针停止,分针开始快速转动。每短按一次,分针走一分钟,调至所需要的时间。
如未按接收键确认,两分钟内秒针将自动走时。
- 4.接收键:走时过程中长按此键3秒以上,强制接收北京标准时间,让钟表与北京时间分秒不差。
- 5.复位键:单按键暂无作用。(此按键需与接收键联合使用。特殊情况下同时按下此两个按键,机芯恢复原始状态,三针转停至12点,需重新接收北京时间或人工调时到标准时间。)

电波机芯 (DCF JJY MSF) Radio Clock Movement



Jh1668 DCF

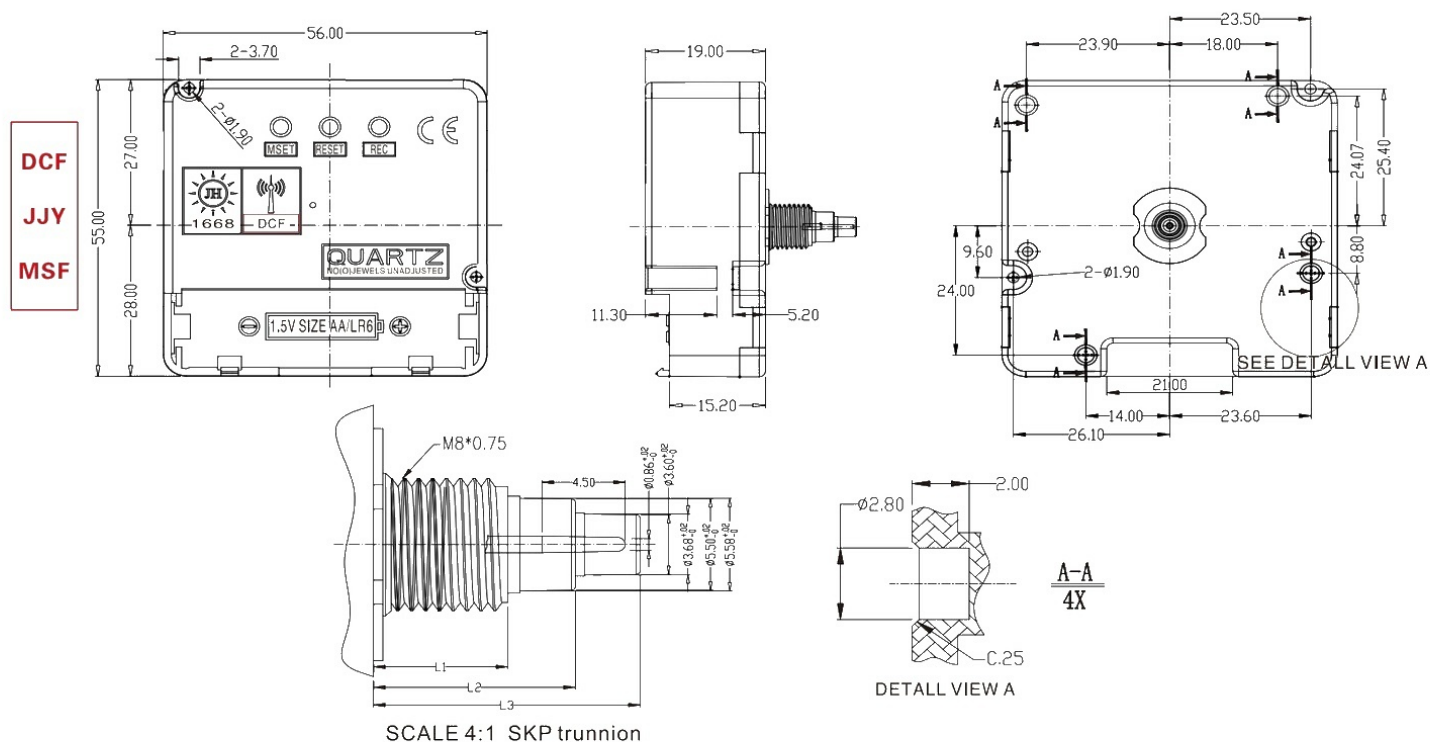


Jh1668 JJY



Jh1668 MSF

灵敏度: 45uV/m



技术参数 Specifcation

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 1.5V
工作温度	Operation Tempereare Range	-10℃~+50℃	电池寿命	Battery Life	About 12month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 15sec/month at 1.5v, 25℃			

电波机芯 (DCF JJY MSF) Radio Clock Movement



MODEL	L1	L2	L3
1668-8.00		5.50	7.70
1668-11.00	3.20	7.20	10.70
1668-13.00	5.50	9.20	12.70
1668-14.50	6.80	10.70	14.20
1668-17.00	9.60	13.20	16.70
1668-20.00	12.30	16.20	19.70
1668-22.50	14.80	18.70	22.20
1668-28.00	19.30	23.70	27.70

扫秒电波芯的优势:

- 1.全自动调整时间,全程不需要任何操作。
- 2.全自动接收信号,与标准时间分秒不差。
- 3.夜间停秒,环保又省电。
- 4.静音扫秒,光控机械校正。
- 5.55mm*56mm机芯通用所有钟壳产品。

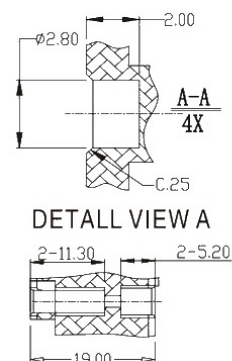
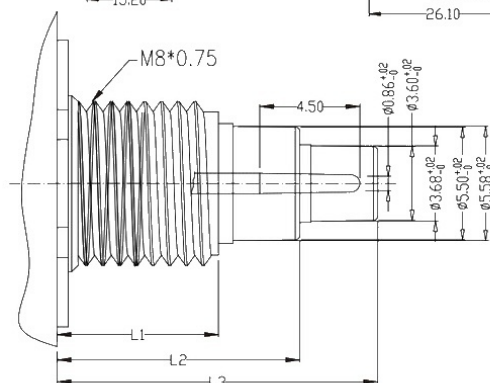
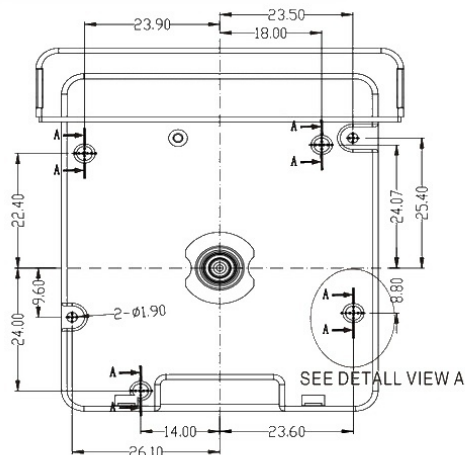
机芯使用说明:

- 1.拔掉机芯后面保险针。
- 2.按正确方向装入电池(建议碱性电池优先)。
- 3.等待指针机械复位,时、分、秒针会转到12点位置停止。
- 4.指针校准完成后自动接收标准时间。

机芯功能说明:

- 1.机芯有自动校时功能(每天会自动校分、校秒),装上电池不需要任何操作。每天凌晨有3次(02:00、03:00、04:00)全自动接收标准时间。
- 2.M.SET键:长按此按键3秒以上,启动人工调时,秒针停止,分针开始快速转动。每短按一次,分针走一分钟,调至所需要的时间。
- 3.REC键:
 - a.走时过程中长按此键3秒以上,强制接收标准时间,让钟表与标准时间分秒不差。
 - b.调好分针时间,待秒针停止位置与标准秒针时间一致时,按下此键,秒针开始转动,让人工调时与标准时间源分秒不差。
- 4.RESET键:按下此按键,机,芯恢复原始状态,三针转停至点,需重新接收标准时间或人工调时到标准时间。





SCALE 4:1 SKP trunnion

13

美国码电波机芯 WWVB Radio Clock Movement



MODEL	L1	L2	L3
1668-8.00		5.50	7.70
1668-11.00	3.20	7.20	10.70
1668-13.00	5.50	9.20	12.70
1668-14.50	6.80	10.70	14.20
1668-17.00	9.60	13.20	16.70
1668-20.00	12.30	16.20	19.70
1668-22.50	14.80	18.70	22.20
1668-28.00	19.30	23.70	27.70

扫秒电波芯的优势:

- 1.全自动调整时间,全程不需要任何操作。
- 2.全自动接收信号,与标准时间分秒不差。
- 3.静音扫秒24小时走时,光控机械校正。
- 4.大天线电波机芯,反馈效果佳,接收更灵敏

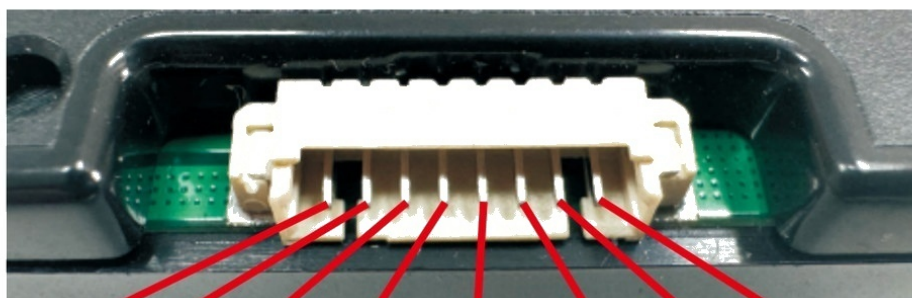
机芯使用说明:

- 1.拔掉机芯后面保险针。
- 2.按正确方向装入电池(建议碱性电池优先)。
- 3.等待指针机械复位,时、分、秒针会转到12点位置停止。
- 4.指针校准完成后自动接收标准时间。

机芯功能说明:

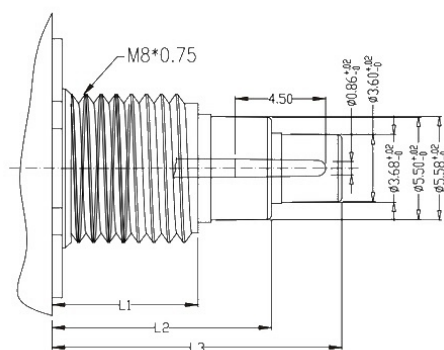
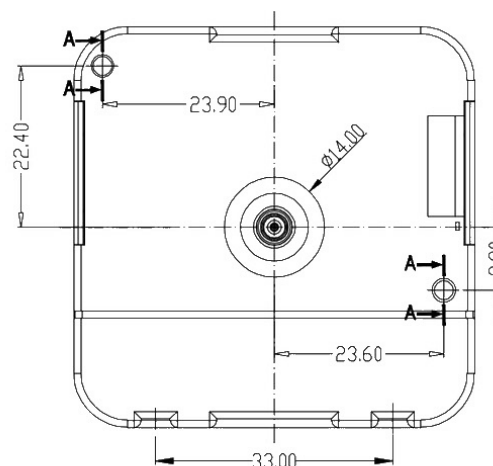
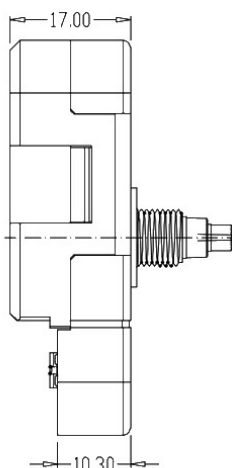
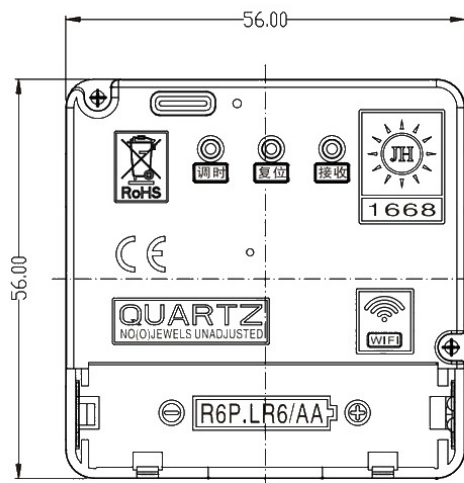
- 1.机芯有自动校时功能(每天会自动校分、校秒),装上电池不需要任何操作。每天凌晨有3次全自动接收标准时间:
即01:01、02:01、03:01自动接收。
- 2.M.SET键 长按此按键3秒以上,启动人工调时,秒针停止,分针开始快速转动.每短按一次分针走一分钟,调至所需要的时间。
- 3.REC键 走时过程中长按此键3秒以上,强制接收标准时间,让钟表与标准时间分秒不差。
- 4.RESET键 按下此按键,机芯恢复原始状态,三针转停至12点,需重新接收标准时间或人工调时到标准时间。
- 5.DST开关 拨动开关到ON档,当接收到夏令时时间的时候,指针时间会增多一个小时。拨到OFF档时间则没有变化。
- 6.PMCE开关
P档:太平洋时间(西部时间)(PST)(西八区时间),代表城市洛杉矶。
M档:山地时间(MST)(西七区时间),代表城市盐湖城。
C档:中部时间(CST)(西六区时间),代表城市芝加哥。
E档:东部时间(EST)(西五区时间),代表城市纽约、华盛顿。

外控机芯 External Control Mechanism



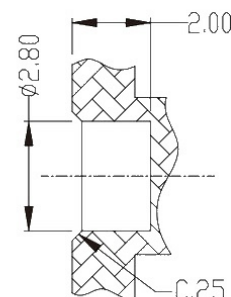
JH1668 WK

IIC-CLK	IIC-DATA	校时信号脚	外控校时脚	待定或充电灯信号	RESET	GND	3.3v或5V含充电
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SCALE 4:1 SKP trunion

MODEL	L1	L2	L3
1668-08		5.80	8.00
1668-11.00	3.20	7.50	11.00
1668-13.00	5.40	9.50	13.00
1668-14.50	6.70	11.00	14.50
1668-17.00	9.00	13.50	17.00
1668-20.00	11.70	16.50	20.00
1668-28.00	20.50	24.00	28.00



DETALL VIEW A

技术参数 Specification

工作电压	Operating Voltage	3.3V to 5V	月 差	Time Keeping Accuracy	± 15sec/month at 3.3v, 25℃
消耗电流	Current Consumption	Less than 180uA at 3.3V DC.	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 3.3V
工作温度	Operation Tempereare Range	-10℃~+50℃	分针扭力	Torque at Minute Hand	6.0gf-cm over/at 3.3V

跳秒机芯 (1668) Step Clock Movement



JH-1668 SD



JH-1668 SA

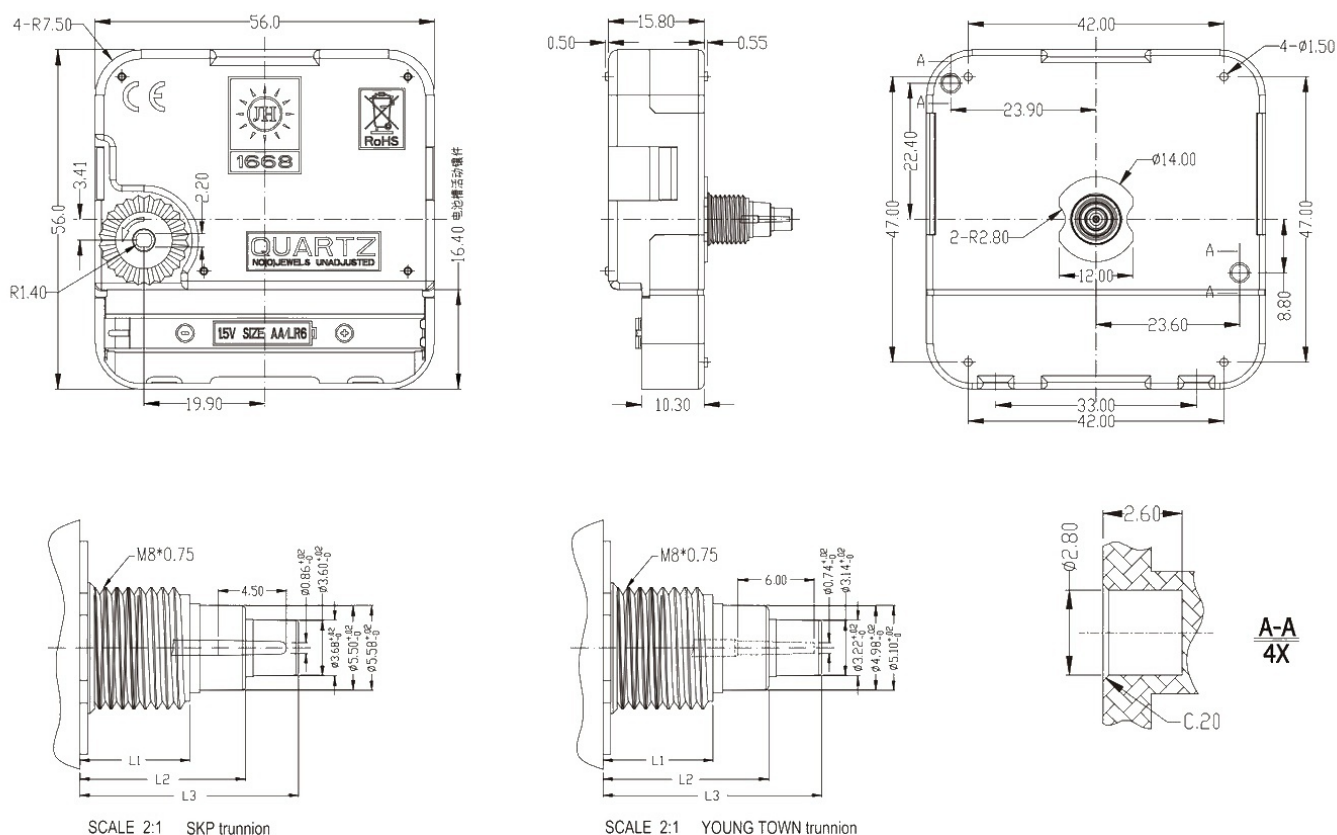


JH-1668 SAH



JH-1668 SAT

跳秒机芯 (1668) Step Clock Movement



Specifcation(技术参数)

工作电压 Operating Voltage	1.30V to 1.7V	月 差 Time Keeping Accuracy	± 30 sec / month at 1.5V , 25°C
消耗电流 Current Consumption	Less than 140uA at 1.5V DC.	秒针扭力 Torque at Second Hand	1.0 gf - cm over / at 1.5V
工作温度 Operating Temperature	-10°~+50°C	分针扭力 Torque at Minute Hand	36 gf-cm over / at 1.5V
		电池寿命 Battery Life	About 12 Month (1.5 size R6 / AA)

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height		说明 Description
	分 Min.	时 Hour.			
1668 -7.0	L3 = 6.7	L2 = 3.7	/		(扣入式) Buckie into the type
1668 -8.0	L3 = 7.7	L2 = 4.7	/		(扣入式) Buckie into the type
1668 -9.0	L3 = 8.7	L2 = 5.7	/		(扣入式) Buckie into the type
1668 -11.0	L3 = 10.7	L2 = 7.2	/	L1 = 3.3	(扣入式) Buckie into the type (螺丝式) Screw type
1668 -12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8		(螺丝式) Screw type
1668 -13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5		(螺丝式) Screw type
1668 -14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8		(螺丝式) Screw type
1668 -17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6		(螺丝式) Screw type
1668 -20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3		(螺丝式) Screw type
1668 -22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8		(螺丝式) Screw type
1668 -24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3		(螺丝式) Screw type
1668 -28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3		(螺丝式) Screw type
1668 -32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3		(螺丝式) Screw type

静音扫秒机芯 (6188S) Sweep Clock Movement



6188S SD



6188S SA

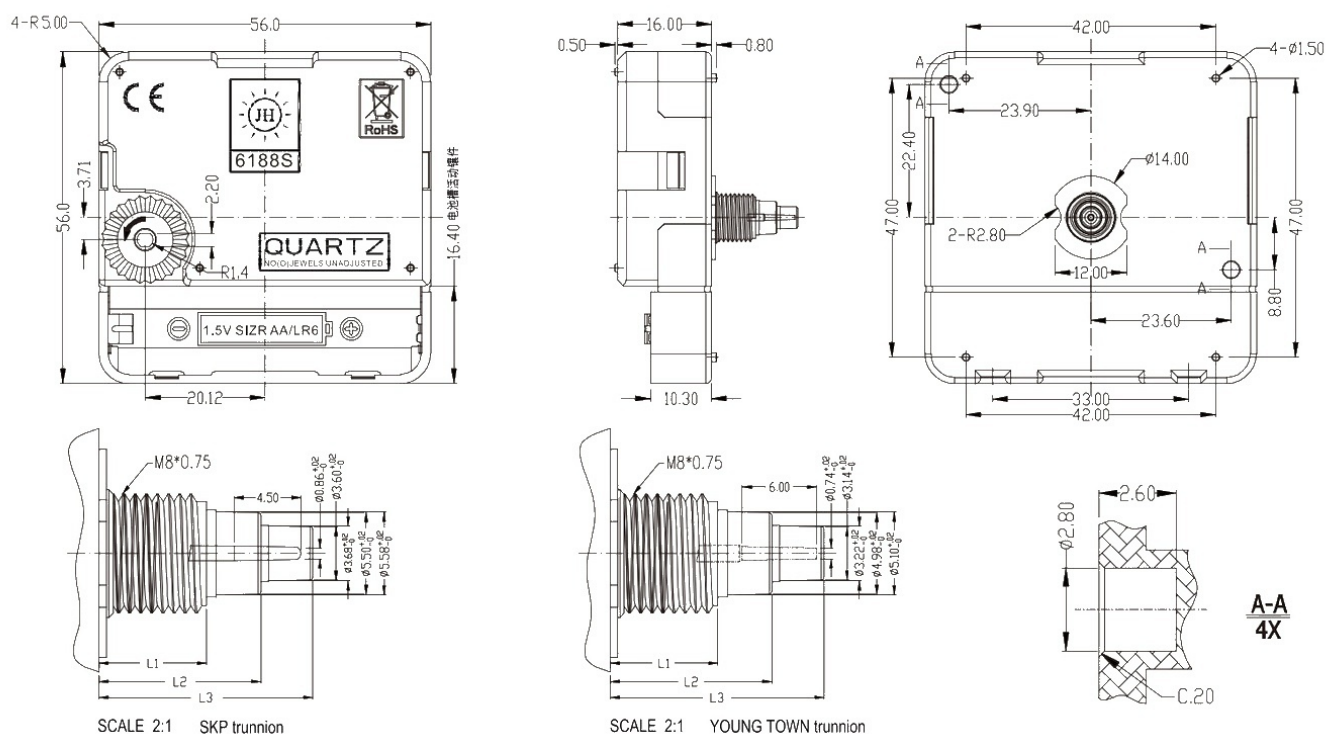


6188S SAH



6188S SAT

静音扫秒机芯 (6188S) Sweep Clock Movement



技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 280uA at 1.5V DC.	分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度	Operation Tempereare Range	-10℃~+50℃	电池寿命	Battery Life	About 8 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃			

型 号 Item	轴长 Shaft Length		螺丝高度		说明 Description
	分 Min.	时 Hour.	Screw Height		
1668 -7.0	L3 = 6.7	L2 = 3.7	/		(扣入式) Buckie into the type
1668 -8.0	L3 = 7.7	L2 = 4.7	/		(扣入式) Buckie into the type
1668 -9.0	L3 = 8.7	L2 = 5.7	/		(扣入式) Buckie into the type
1668 -11.0	L3 = 10.7	L2 =7.2	/	L1 =3.3	(扣入式) Buckie into the type
					(螺丝式) Screw type
1668 -12.0	L3 = 11.7	L2 =8.4	L1 = 4.8		(螺丝式) Screw type
1668 -13.0	L3 = 12.7	L2 =9.2	L1 = 5.5		(螺丝式) Screw type
1668 -14.5	L3 = 14.2	L2 =10.7	L1 = 6.8		(螺丝式) Screw type
1668 -17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6		(螺丝式) Screw type
1668 -20.0	L3 = 19.7	L2 =16.2	L1 = 12.3		(螺丝式) Screw type
1668 -22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8		(螺丝式) Screw type
1668 -24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3		(螺丝式) Screw type
1668 -28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3		(螺丝式) Screw type
1668 -32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3		(螺丝式) Screw type

静音扫秒机芯 (1668) Sweep Clock Movement



1668S SD



1668S SA

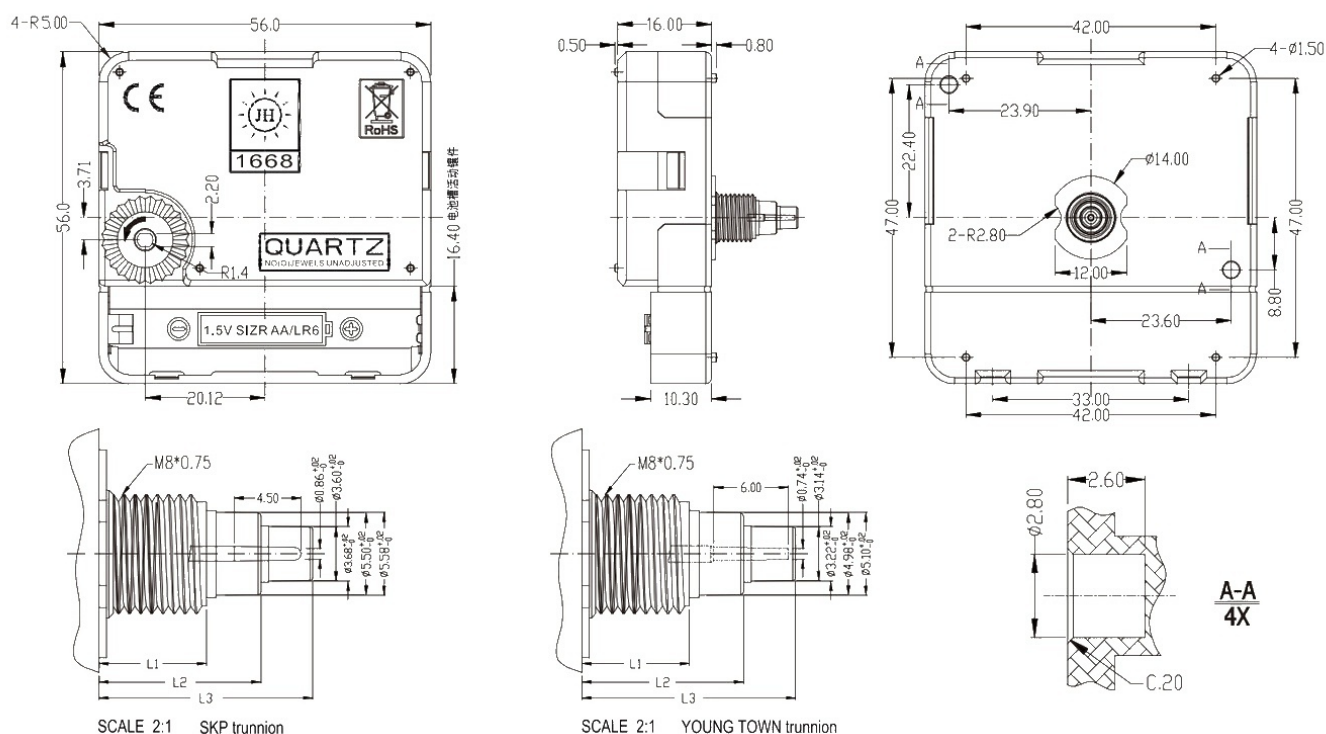


1668S SAH



1668S SAT

静音扫秒机芯(1668) Sweep Clock Movement



技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 240uA at 1.5V DC.	分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度	Operation Tempereure Range	-10℃~+50℃	电池寿命	Battery Life	About 10 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃			

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height		说明 Description
	分 Min.	时 Hour.			
1668 -7.0	L3 = 6.7	L2 = 3.7	/		(扣入式) Buckie into the type
1668 -8.0	L3 = 7.7	L2 = 4.7	/		(扣入式) Buckie into the type
1668 -9.0	L3 = 8.7	L2 = 5.7	/		(扣入式) Buckie into the type
1668 -11.0	L3 = 10.7	L2 = 7.2	/	L1 = 3.3	(扣入式) Buckie into the type (螺丝式) Screw type
1668 -12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8		(螺丝式) Screw type
1668 -13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5		(螺丝式) Screw type
1668 -14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8		(螺丝式) Screw type
1668 -17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6		(螺丝式) Screw type
1668 -20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3		(螺丝式) Screw type
1668 -22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8		(螺丝式) Screw type
1668 -24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3		(螺丝式) Screw type
1668 -28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3		(螺丝式) Screw type
1668 -32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3		(螺丝式) Screw type

静音扫秒机芯(S001) Sweep Clock Movement



S001 SD



S001 SA

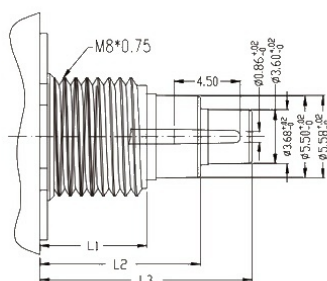
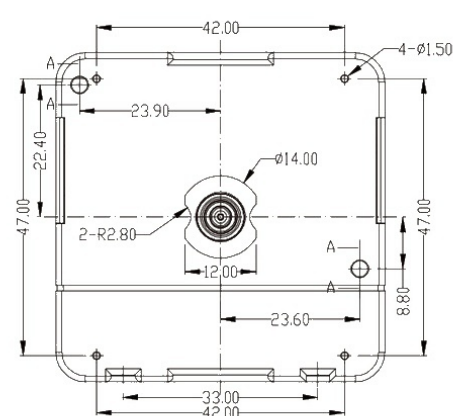
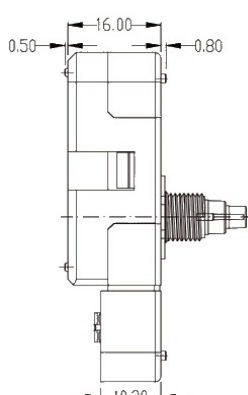
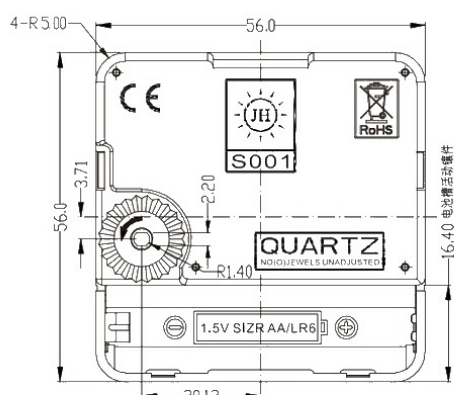


S001 SAH

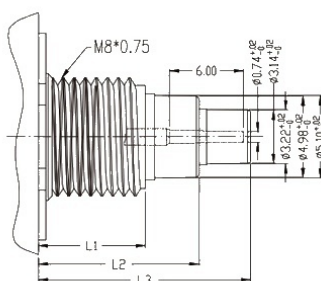


S001 SAT

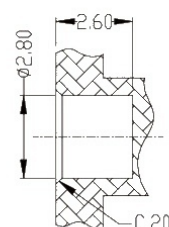
静音扫秒机芯(S001) Sweep Clock Movement



SCALE 2:1 SKP trunnion



SCALE 2:1 YOUNG TOWN trunnion



技术参数 Specification

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流 Current Consumption	Less than 180uA at 1.5V DC.	分针扭力 Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度 Operation Temperature Range	-10°C~+50°C	电池寿命 Battery Life	About 12 month (1.5 size R6/AA)
月 差 Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C		

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height		说明 Description
	分 Min.	时 Hour.			
S001 - 7.0	L3 = 6.7	L2 = 3.7	/		(扣入式) Buckie into the type
S001 - 8.0	L3 = 7.7	L2 =4.7	/		(扣入式) Buckie into the type
S001 - 9.0	L3 = 8.7	L2 = 5.7	/		(扣入式) Buckie into the type
S001 - 11.0	L3 = 10.7	L2 = 7.2	/	L1 =3.3	(扣入式) Buckie into the type (螺丝式) Screw type
S001 - 12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8		(螺丝式) Screw type
S001 - 13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5		(螺丝式) Screw type
S001 - 14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8		(螺丝式) Screw type
S001 - 17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6		(螺丝式) Screw type
S001 - 20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3		(螺丝式) Screw type
S001 - 22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8		(螺丝式) Screw type
S001 - 24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3		(螺丝式) Screw type
S001 - 28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3		(螺丝式) Screw type
S001 -32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3		(螺丝式) Screw type

静音扫秒机芯(S002) Sweep Clock Movement



S002 SD



S002 SA

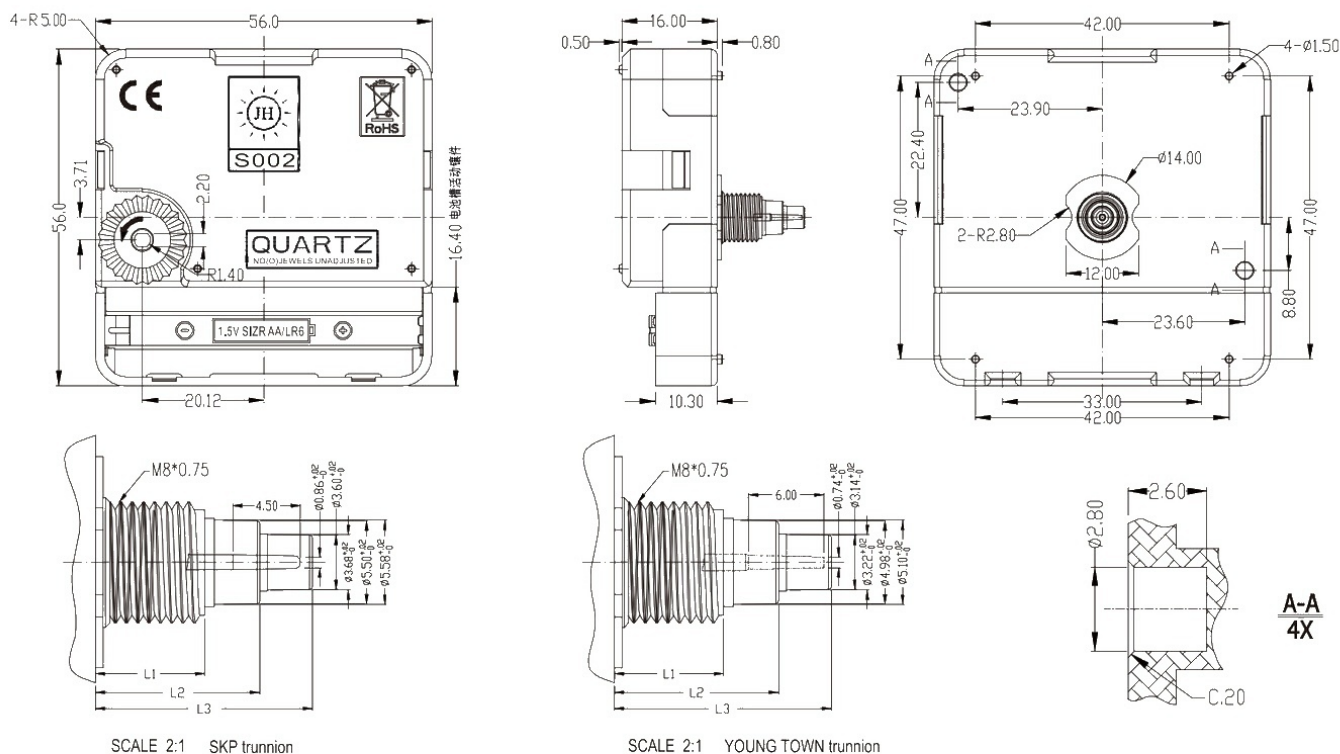


S002 SAH



S002 SAT

静音扫秒机芯(S002) Sweep Clock Movement



技术参数 Specification

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流 Current Consumption	Less than 140 uA at 1.5V DC.	分针扭力 Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度 Operation Temperature Range	-10°C~+50°C	电池寿命 Battery Life	About 18 month (1.8 size R6/AA)
月 差 Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C		

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height		说明 Description
	分 Min.	时 Hour.			
S002 - 7.0	L3 = 6.7	L2 = 3.7	/		(扣入式) Buckie into the type
S002 - 8.0	L3 = 7.7	L2 = 4.7	/		(扣入式) Buckie into the type
S002 - 9.0	L3 = 8.7	L2 = 5.7	/		(扣入式) Buckie into the type
S002 - 11.0	L3 = 10.7	L2 = 7.2	/	L1 = 3.3	(扣入式) Buckie into the type (螺丝式) Screw type
S002 - 12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8		(螺丝式) Screw type
S002 - 13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5		(螺丝式) Screw type
S002 - 14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8		(螺丝式) Screw type
S002 - 17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6		(螺丝式) Screw type
S002 - 20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3		(螺丝式) Screw type
S002 - 22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8		(螺丝式) Screw type
S002 - 24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3		(螺丝式) Screw type
S002 - 28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3		(螺丝式) Screw type
S002 - 32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3		(螺丝式) Screw type

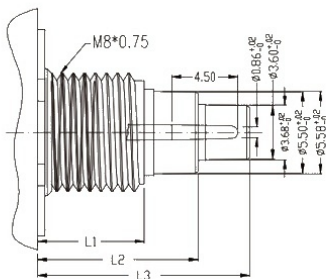
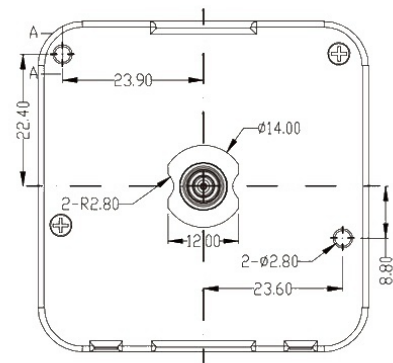
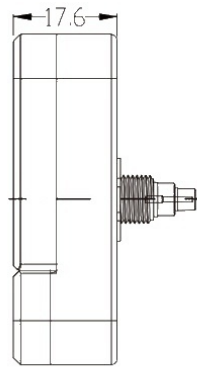
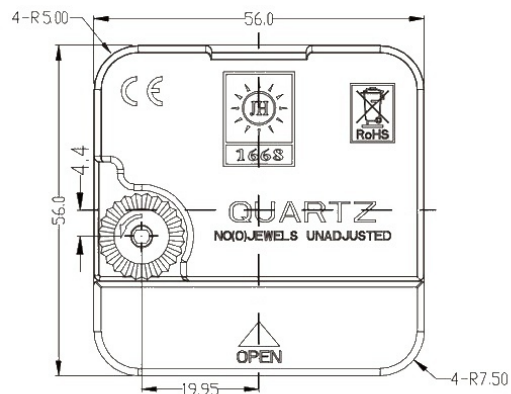
金属壳静音扫秒机芯(1668D) Metal Shell Sweep Movement



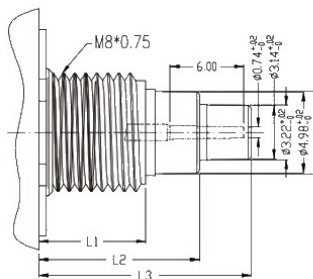
1668D1



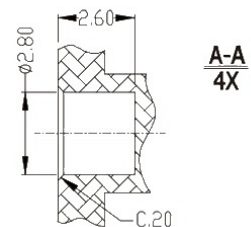
1668D2



SCALE 2:1 SKP trunnion



SCALE 2:1 YOUNG TOWN trunnion



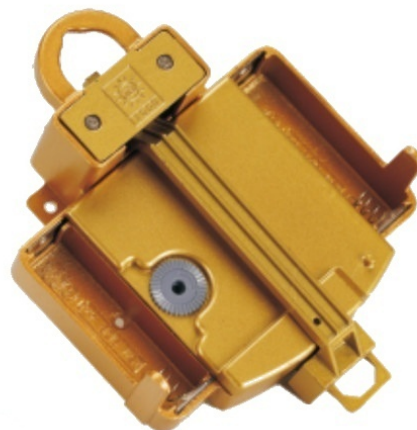
A-A
4X

Specifcation(技术参数)

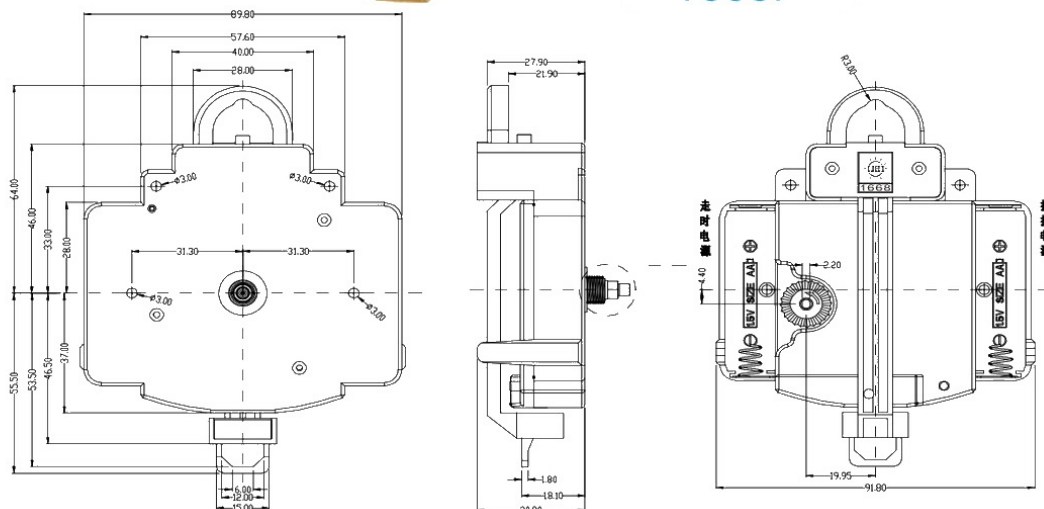
工作电压	Operating Voltage	1.30V to 1.7V	月 差	Time Keeping Accuracy	±30 sec / month at 1.5V, 25°C
消耗电流	Current Consumption	Less than 140uA at 1.5V DC.	秒针扭力	Torque at Second Hand	1.0 gf-cm over / at 1.5V
工作温度	Operating Temperature	-10° ~+50° C	分针扭力	Torque at Minute Hand	36 gf-cm over / at 1.5V
			电池寿命	Battery Life	About 18 Month (1.5 size R6 / AA)

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height	说明 Description
	分 Min.	时 Hour.		
1668 - 11.5	L3 = 11.2	L2 = 8.2	L1 = 4.3	(螺丝式) Screw type
1668 - 13.0	L3 = 13.0	L2 = 9.5	L1 = 5.4	(螺丝式) Screw type
1668 - 15.5	L3 = 15.5	L2 = 12.0	L1 = 8.1	(螺丝式) Screw type
1668 - 18.5	L3 = 18.2	L2 = 14.7	L1 = 10.8	(螺丝式) Screw type
1668 - 21.0	L3 = 21.0	L2 = 17.0	L1 = 13.4	(螺丝式) Screw type
1668 - 26.5	L3 = 26.5	L2 = 22.5	L1 = 17.9	(螺丝式) Screw type
1668 - 30.5	L3 = 30.5	L2 = 27.0	L1 = 22.9	(螺丝式) Screw type

金属壳扫秒摇摆机芯 Metal Sweep Clock Movement



1668P



Item 型号: JH1668P-100/200/250

Max. Pendulum Swing: 27°

Max. Pendulum Length: 40cm

Current Consumption: 1.8mA At 1.5V DC

Max. Pendulum Weight: 100g/200g/250g

技术参数 Specification

工作电压	Operating Voltage	1.25V to 1.7V	秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 140 uA at 1.5V DC.	分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度	Operation Tempereure Range	-10℃~+50℃	电池寿命	Battery Life	About 1 Year (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃			

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height	说明 Description
	分 Min.	时 Hour.		
1668 - 13.00	L3 = 13.00	L2 = 9.50	L1 = 13.00	(螺丝式) Screw type
1668 - 15.50	L3 = 15.50	L2 = 12.00	L1 = 15.50	(螺丝式) Screw type
1668 - 18.50	L3 = 18.50	L2 = 15.00	L1 = 18.50	(螺丝式) Screw type
1668 - 21.00	L3 = 21.00	L2 = 16.80	L1 = 21.00	(螺丝式) Screw type
1668 - 26.50	L3 = 26.50	L2 = 22.50	L1 = 26.50	(螺丝式) Screw type
1668 - 30.50	L3 = 30.50	L2 = 27.00	L1 = 30.50	(螺丝式) Screw type

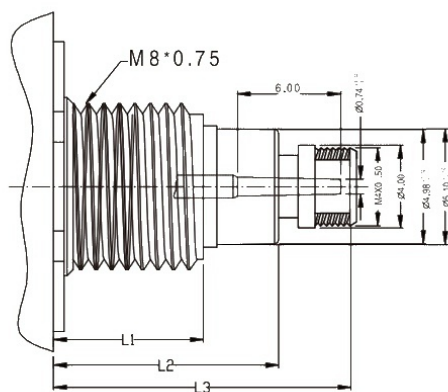
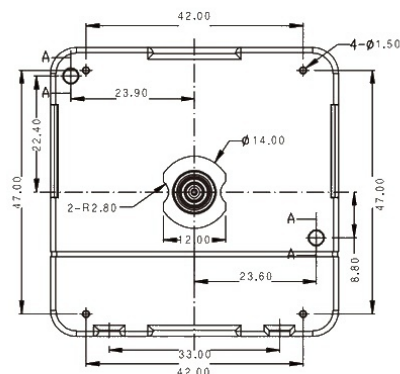
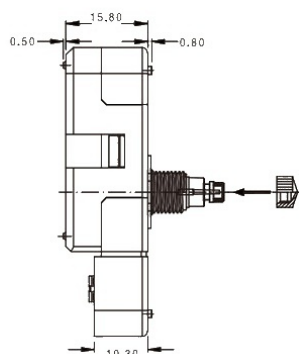
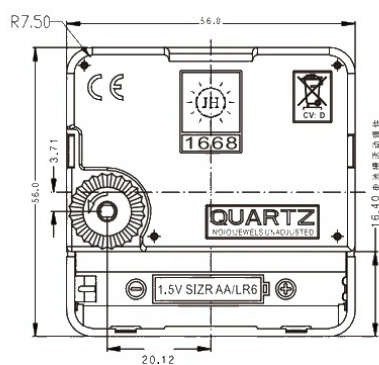
静音扫秒(I轴)机芯 Sweep I Axis Clock Movement



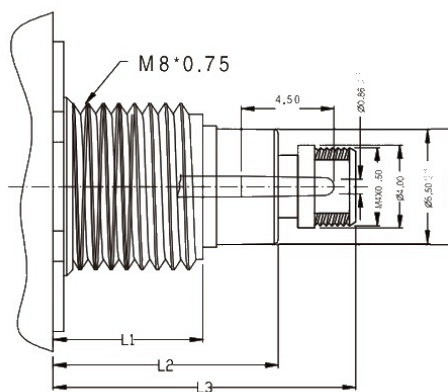
1668M

Item	Shaft Length		Screw Height	Description
	Min.	Hour.		
JH1668 - 13.0	L3=12.7	L2=9.2	L1=5.5	Screw type
JH1668 - 14.5	L3=14.7	L2=10.7	L1=6.8	Screw type
JH1668 - 17.0	L3=16.7	L2=13.2	L1=9.6	Screw type
JH1668 - 20.0	L3=20.2	L2=16.2	L1=12.3	Screw type
JH1668 - 22.5	L3=22.7	L2=18.5	L1=14.8	Screw type
JH1668 - 28.0	L3=28.2	L2=24.0	L1=19.3	Screw type
JH1668 - 32.0	L3=32.0	L2=28.2	L1=24.3	Screw type

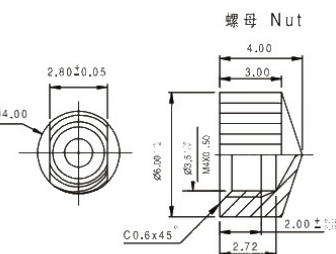
Specification	
工作电压 Operating Voltage	1.25V to 1.7V
消耗电流 Current Consumption	Less than 180uA at 1.5V DC.
工作温度 Operating Temperature	-10°C ~ +50°C
月 差 Time Keeping Accuracy	±30sec/month at 1.5v, 25°C
秒针扭力 Torque at Second Hand	1.0fg-cm over/at 1.5V
分针扭力 Torque at Minute Hand	36fg-cm over/at 1.5V
电池寿命 Battery Life	About 1 Year(1.5 size R6/AA)



1668M/Y



1668M/S



小圆机芯（跳秒/扫秒） Small Round Clock Movement



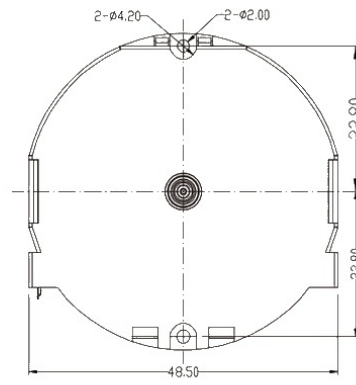
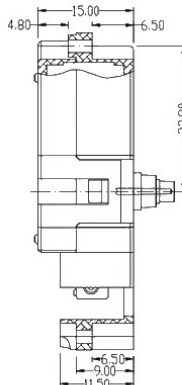
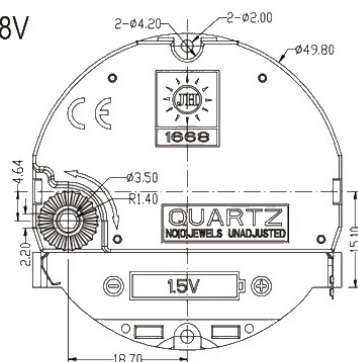
1668V



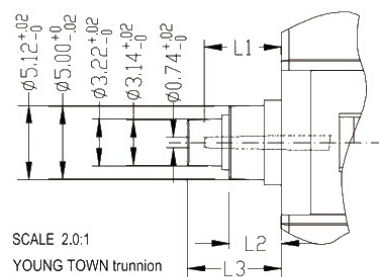
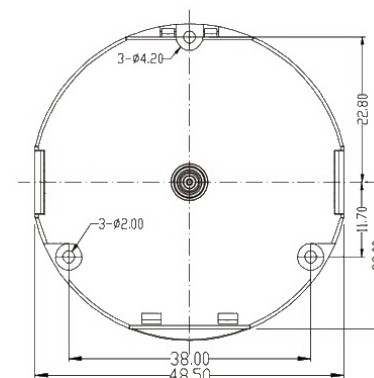
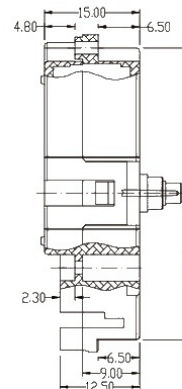
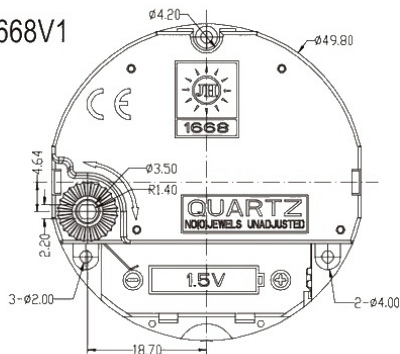
1668V1



1668V



1668V1



技术参数 Specification

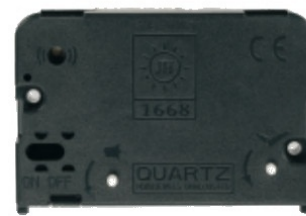
工作电压	Operating Voltage	1.25V to 1.7V
消耗电流	Current Consumption	Less than 140 uA at 1.5V DC 跳秒
消耗电流	Current Consumption	Less than 180 uA at 1.5V DC 扫秒
工作温度	Operation Temperature Range	-10℃~+50℃
月 差	Time Keeping Accuracy	±30sec/month at 1.5v, 25℃
秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
电池寿命	Battery Life	About 12 Month (1.5 size R6/AA)

型号 Item	轴 长 Shaft Length		秒 Second	说明 Description
	分 Min.	时 Hour.		
1668 - 6.5	L3 = 5.5	L2 = 3.6	L1 = 5.35	Screw type (螺丝式)
1668 - 3.8	L3 = 3.8	L2 = 2.3	L1 = 2.35	Screw type (螺丝式)

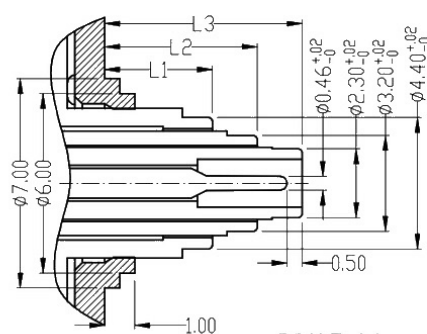
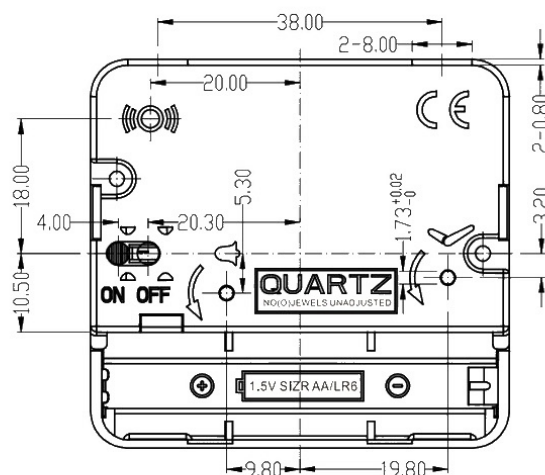
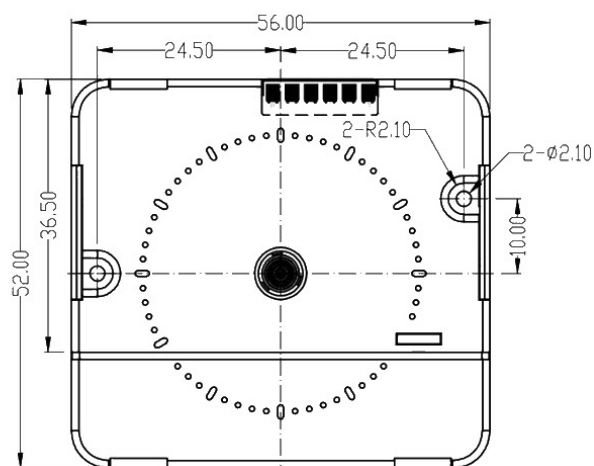
标准闹钟机芯 (跳秒/扫秒) Standard Alarm Clock Movement (Step/Sweep)



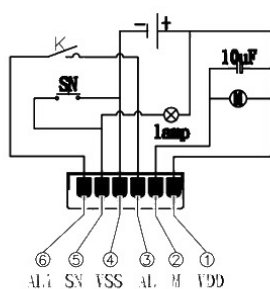
1668A



1668A1



SCALE 4:1



技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V
消耗电流	Current Consumption	Less than 140 uA at 1.5V DC (跳秒)
消耗电流	Current Consumption	Less than 180/240 uA at 1.5V DC (扫秒)
工作温度	Operation Temperature Range	-10°C~+50°C
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C
秒针扭力	Torque at Second Hand	0.6gf-cm over/at 1.5V
电池寿命	Battery Life	About 1 Year (1.5 size R6/AA)
闹钟偏差	Alarm warp	± 5 minutes
闹响时长	Alarm Time	35 ± 10 minutes

型号 Item	轴长 Shaft Length			说明 Description
	分 Min.	时 Hour.	闹轮 Alarm Shaft	
JH1668-5.50	L3 = 5.5	L2 = 4.0	L1 = 2.5	(螺丝式)Screw type
JH1668-6.80	L3 = 6.8	L2 = 5.3	L1 = 3.8	(螺丝式)Screw type
JH1668-9.50	L3 = 9.5	L2 = 8.0	L1 = 6.5	(螺丝式)Screw type
JH1668-11.50	L3 = 11.5	L2 = 10.0	L1 = 8.5	(螺丝式)Screw type
JH1668-14.00	L3 = 14.0	L2 = 12.5	L1 = 11.0	(螺丝式)Screw type

特殊闹钟机芯（跳秒/扫秒） Alarm Clock Movement(Step/Sweep)

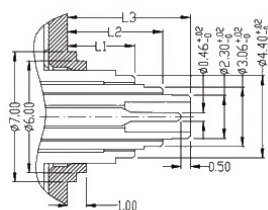
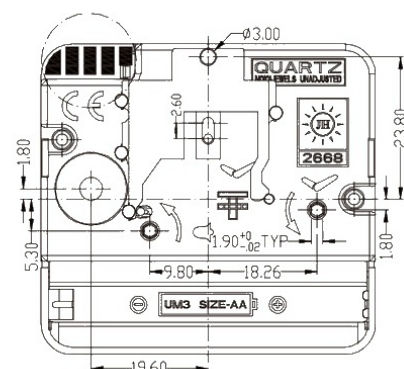
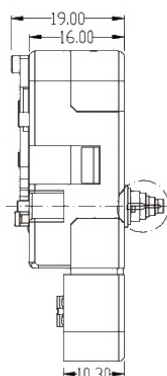
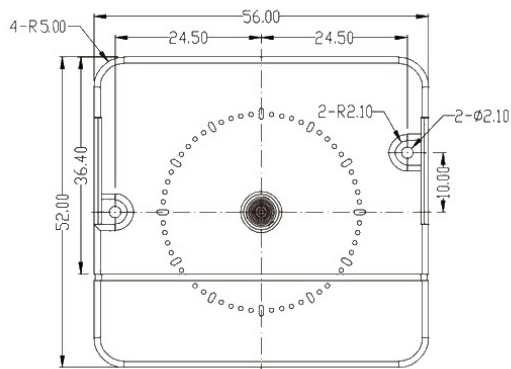


1668B



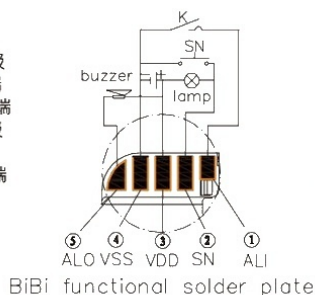
1668B1

Dual turning knob 双旋杆



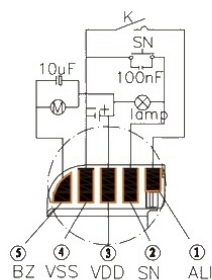
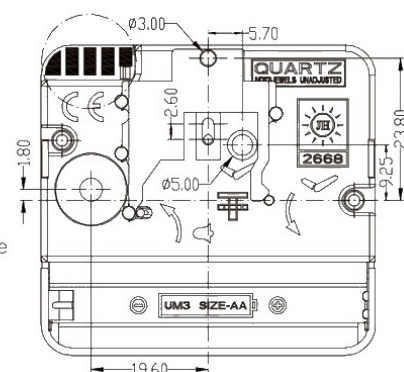
SCALE 2.5:1

VDD : 1.5V电源正极
ALO : 蜂鸣器输出端
ALI : 响闹信号输入端
VSS : 1.5V电源负极
SN : 贪睡
BZ : 打铃马达输出端

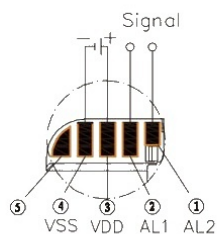


BiBi functional solder plate

Single turning knob 单旋杆



Ring function solder plate



Trigger music solder

技术参数 Specification

型号 Item	轴长 Shaft Length			说明 Description
	分 Min.	时 Hour.	闹铃 Alarm Shaft	
JH1668-5.50	L3 = 5.5	L2 = 4.0	L1 = 2.5	(螺丝式)Screw type
JH1668-6.80	L3 = 6.8	L2 = 5.3	L1 = 3.8	(螺丝式)Screw type
JH1668-9.50	L3 = 9.5	L2 = 8.0	L1 = 6.5	(螺丝式)Screw type
JH1668-11.50	L3 = 11.5	L2 = 10.0	L1 = 8.5	(螺丝式)Screw type
JH1668-14.00	L3 = 14.0	L2 = 12.5	L1 = 11.0	(螺丝式)Screw type

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	0.6gf-cm over at 1.5V
消耗电流 Current Consumption	Less than 140 uA at 1.5V DC(跳秒)	电池寿命 Battery Life	About 1 Year (1.5 size R6/AA)
消耗电流 Current Consumption	Less than 180~240 uA at 1.5V DC(扫秒)	闹铃偏差 Alarm warp	±5 minutes
工作温度 Operation Temperature Range	-10°C~+50°C	闹铃音量 Alarm Volume	80 dB(1.5V/Distance 10cm)
月差 Time Keeping Accuracy	±30sec/month at 1.5V, 25°C	闹铃时长 Alarm Time	35 ± 10 minutes

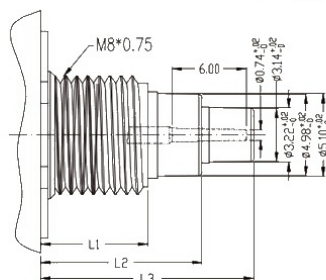
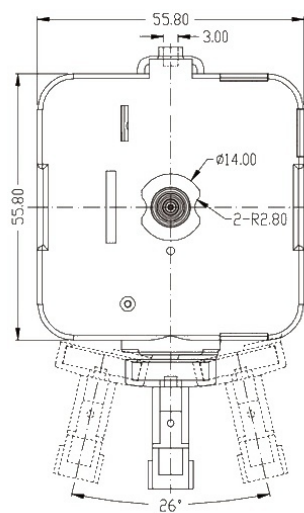
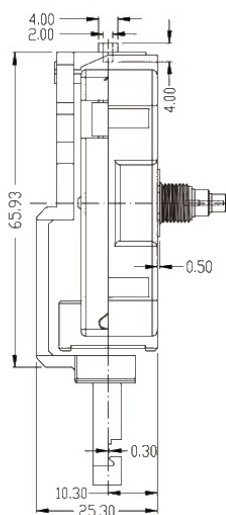
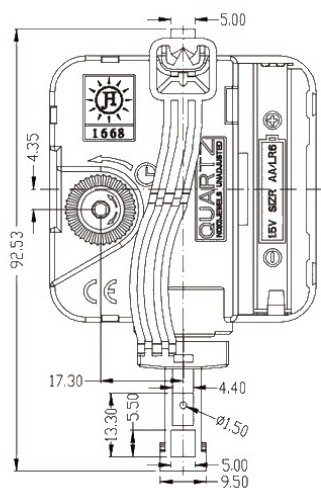
跳秒小摇摆机芯 Step Mini Pendulum Movement



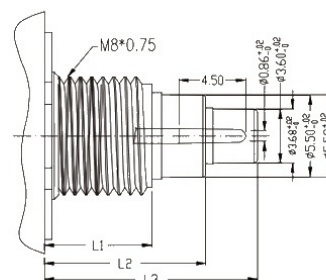
1668MP



1668MPT



SCALE 2:1 YOUNG TOWN trunnion



SCALE 2:1 SKP trunnion

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height	说明 Description
	分 Min.	时 Hour.		
1668 - 7.0	L3 = 6.7	L2 = 3.7	/	(扣入式) Buckle into the type
1668 - 8.0	L3 = 7.7	L2 = 4.7	/	(扣入式) Buckle into the type
1668 - 9.0	L3 = 8.7	L2 = 5.7	/	(扣入式) Buckle into the type
1668 - 11.0	L3 = 10.7	L2 = 7.2	/ L1 = 3.3	(扣入式) Buckle into the type (螺丝式) Screw type
1668 - 12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8	(螺丝式) Screw type
1668 - 13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5	(螺丝式) Screw type
1668 - 14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8	(螺丝式) Screw type
1668 - 17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6	(螺丝式) Screw type
1668 - 20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3	(螺丝式) Screw type
1668 - 22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8	(螺丝式) Screw type
1668 - 24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3	(螺丝式) Screw type
1668 - 28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3	(螺丝式) Screw type
1668 - 32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3	(螺丝式) Screw type

技术参数 Specification

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流 Current Consumption	Less than 220 uA at 1.5V DC.	分针扭力 Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度 Operation Temperature Range	-10°C ~ +50°C	电池寿命 Battery Life	About 8 Month (1.5 size R6/AA)
月差 Time Keeping Accuracy	±30sec/month at 1.5v, 25°C		

MAX. Pendulum Swing: 26° 最大摆幅: 26°
MAX. Pendulum Length: 15cm 最大摆长: 15cm
MAX. Pendulum Weight: 20g 最大摆重: 20g

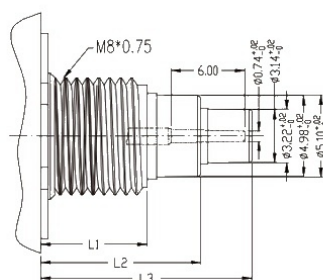
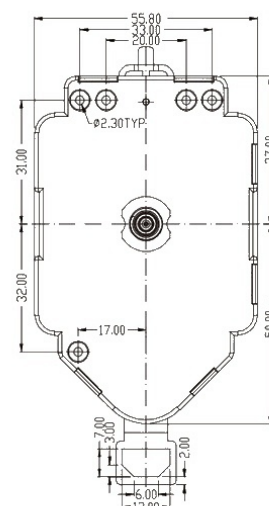
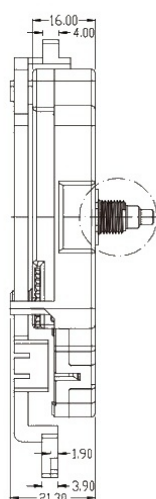
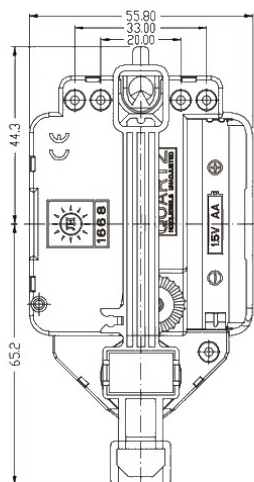
跳秒摇摆机芯 Step Pendulum Movement



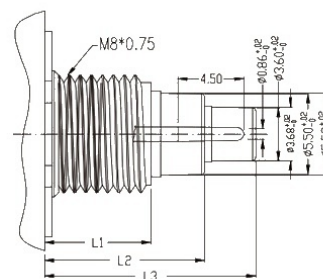
1668P



1668PT



SCALE 2:1 YOUNG TOWN trunnion



SCALE 2:1 SKP trunnion

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height	说明 Description
	分 Min.	时 Hour.		
1668-7.0	L3 = 6.7	L2 = 3.7	/	(扣入式) Buckle into the type
1668-8.0	L3 = 7.7	L2 = 4.7	/	(扣入式) Buckle into the type
1668-9.0	L3 = 8.7	L2 = 5.7	/	(扣入式) Buckle into the type
1668-11.0	L3 = 10.7	L2 = 7.2	/ L1 = 3.3	(扣入式) Buckle into the type (螺丝式) Screw type
1668-12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8	(螺丝式) Screw type
1668-13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5	(螺丝式) Screw type
1668-14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8	(螺丝式) Screw type
1668-17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6	(螺丝式) Screw type
1668-20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3	(螺丝式) Screw type
1668-22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8	(螺丝式) Screw type
1668-24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3	(螺丝式) Screw type
1668-28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3	(螺丝式) Screw type
1668-32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3	(螺丝式) Screw type

技术参数 Specification

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	1.0g/cm over/at 1.5V
消耗电流 Current Consumption	Less than 235 uA at 1.5V DC.	分针扭力 Torque at Minute Hand	36g/cm over/at 1.5V
工作温度 Operation Temperature Range	-10°C ~ +50°C	电池寿命 Battery Life	About 6 Month (1.5 size R6/AA)
月差 Time Keeping Accuracy	±30sec/month at 1.5v, 25°C		

MAX. Pendulum Swing: 26° 最大摆幅: 26°
MAX. Pendulum Length: 20cm 最大摆长: 20cm
MAX. Pendulum Weight: 40g 最大摆重: 40g

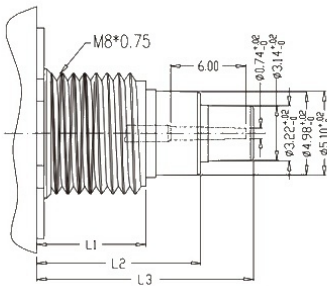
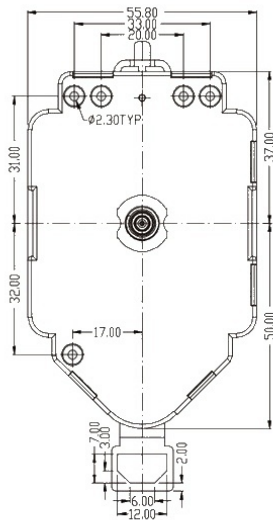
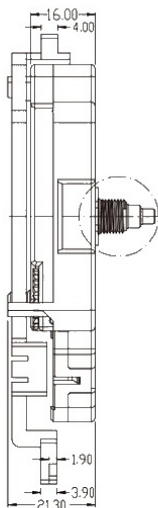
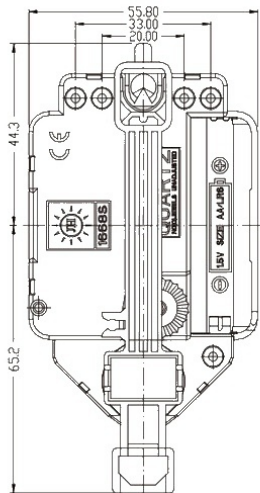
扫秒摇摆机芯 Sweep Pendulum Movement



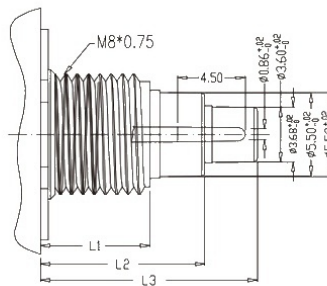
1668SP



1668SPT



SCALE 2:1 YOUNG TOWN trunnion



SCALE 2:1 SKP trunnion

型号 Item	轴长 Shaft Length		螺丝高度 Screw Height	说明 Description
	分 Min.	时 Hour.		
1668 - 7.0	L3 = 6.7	L2 = 3.7	/	(扣入式) Buckle into the type
1668 - 8.0	L3 = 7.7	L2 = 4.7	/	(扣入式) Buckle into the type
1668 - 9.0	L3 = 8.7	L2 = 5.7	/	(扣入式) Buckle into the type
1668 - 11.0	L3 = 10.7	L2 = 7.2	/ L1 = 3.3	(扣入式) Buckle into the type (螺丝式) Screw type
1668 - 12.0	L3 = 11.7	L2 = 8.4	L1 = 4.8	(螺丝式) Screw type
1668 - 13.0	L3 = 12.7	L2 = 9.2	L1 = 5.5	(螺丝式) Screw type
1668 - 14.5	L3 = 14.2	L2 = 10.7	L1 = 6.8	(螺丝式) Screw type
1668 - 17.0	L3 = 16.7	L2 = 13.2	L1 = 9.6	(螺丝式) Screw type
1668 - 20.0	L3 = 19.7	L2 = 16.2	L1 = 12.3	(螺丝式) Screw type
1668 - 22.5	L3 = 22.2	L2 = 18.5	L1 = 14.8	(螺丝式) Screw type
1668 - 24.5	L3 = 24.4	L2 = 20.6	L1 = 16.3	(螺丝式) Screw type
1668 - 28.0	L3 = 27.7	L2 = 24.0	L1 = 19.3	(螺丝式) Screw type
1668 - 32.0	L3 = 31.7	L2 = 28.2	L1 = 24.3	(螺丝式) Screw type

技术参数 Specification

工作电压 Operating Voltage	1.30V to 1.7V	秒针扭力 Torque at Second Hand	1.0gf-cm over/at 1.5V
消耗电流 Current Consumption	Less than 235 uA at 1.5V DC.	分针扭力 Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度 Operation Temperature Range	-10℃~+50℃	电池寿命 Battery Life	About 6 Month (1.5 size R6/AA)
月差 Time Keeping Accuracy	±30sec/month at 1.5v, 25℃		

MAX.Pendulum Swing:26° 最大摆幅: 26°
MAX.Pendulum Length:20cm 最大摆长: 20cm
MAX.Pendulum Weight:40g 最大摆重: 40g

摇摆器系列 Pendulum Holder

JH1668 YPF-100

JH1668 YPF-200

JH1668 YPF-250

JH1668 ZYPF-100

JH1668 ZYPF-200

JH1668 ZYPF-250

JH1668 PF-100

JH1668 PF-200

JH1668 PF-250

JH1668 SPF-100

JH1668 SPF-200

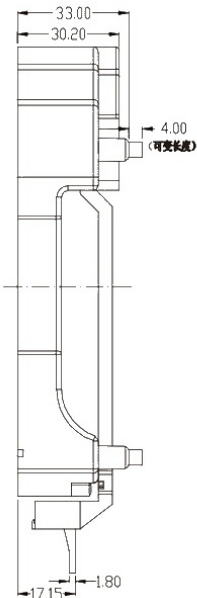
JH1668 SPF-250

JH1668 MPF-100

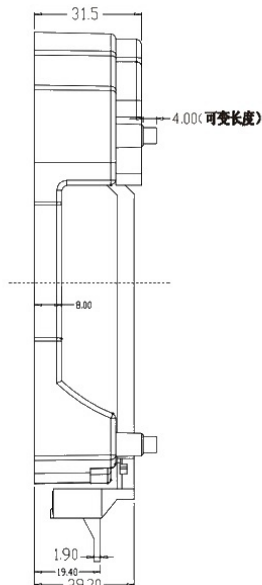


摇摆器系列 Pendulum Holder

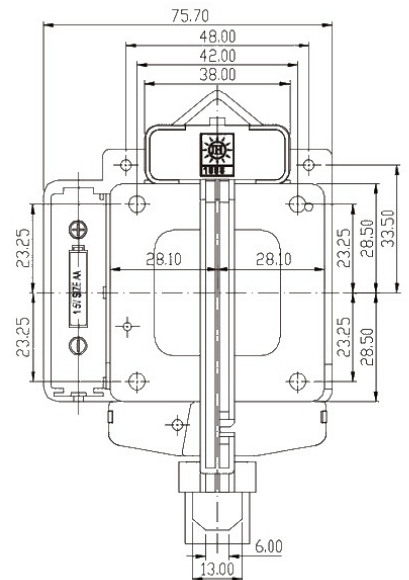
JH1668 YPF



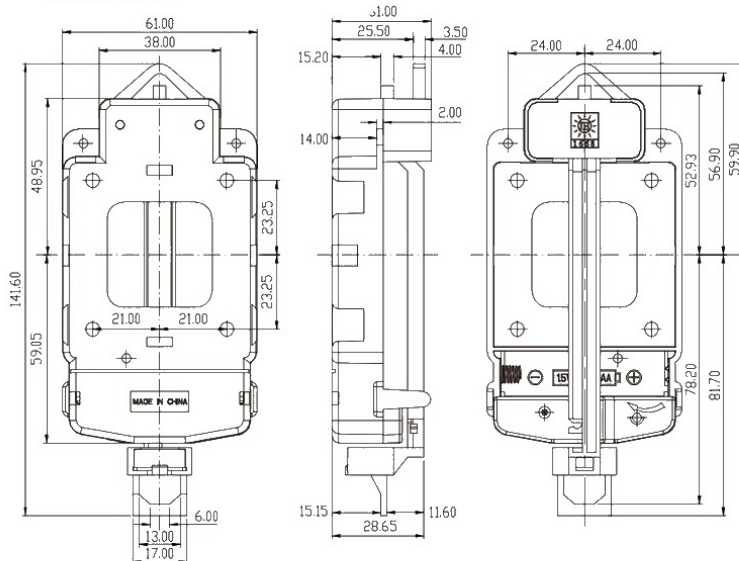
JH1668 ZYPF



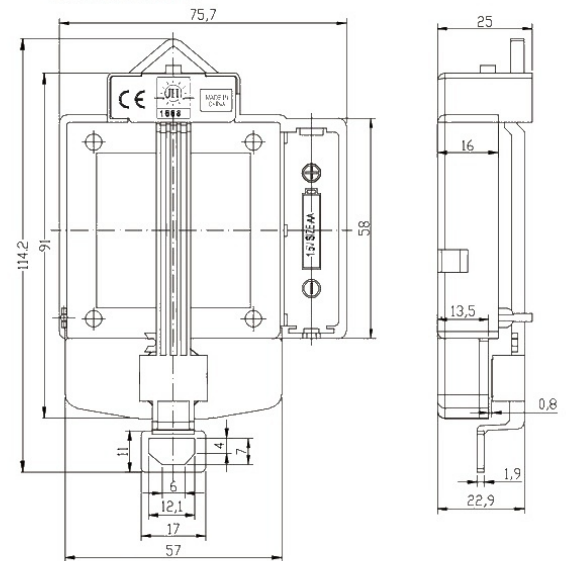
JH1668 SPF



JH1668 PF



JH1668 MPF



技术参数 Specification

工作电压 Operating Voltage 1.3V to 1.7V

工作温度 Operating Temperature -10°C ~ +50°C

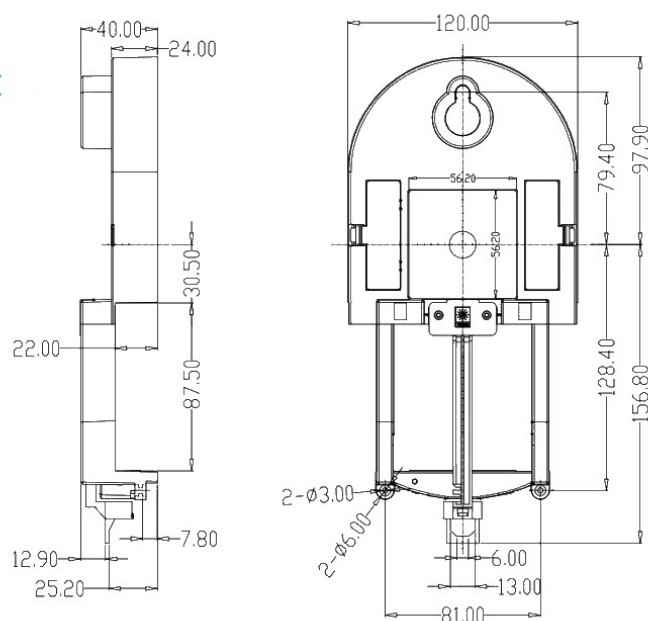
摇摆器系列 Pendulum Holder

型号 Item	说明 Description	型号 Item	说明 Description
JH1668 (Y/S/L/J)PF-100	Max. Pendulum Swing: 27° Max. Pendulum Length: 40cm Current Consumption: 1.8mA At 1.5V DC Max. Pendulum Weight : 100g	JH1668 (Y/S/L/J)PF-250	Max. Pendulum Swing: 27° Max. Pendulum Length: 60cm Current Consumption: 2.8mA At 1.5V DC Max. Pendulum Weight: 250g
JH1668 (Y/S/L/J)PF-200	Max. Pendulum Swing: 27° Max. Pendulum Length: 60cm Current Consumption: 2.3mA At 1.5V DC Max. Pendulum Weight: 200g	JH1668 MPF-100	Max. Pendulum Swing: 27° Max. Pendulum Length: 40cm Current Consumption: 1.8mA At 1.5V DC Max. Pendulum Weight: 100g

LPF摇摆器 LPF Pendulum Movement



JH1668 LPF 100/200/250



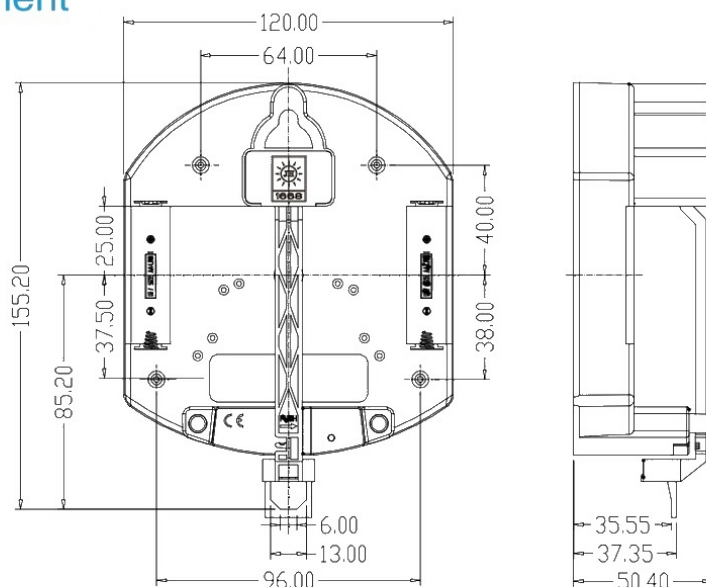
技术参数 Specifications

工作电压	Operating Voltage	1.3V to 1.7V
工作温度	Operating Temperature	-10℃~+50℃

JPF摇摆器 JPF Pendulum Movement



JH1668 JPF-100/200/250



JPF5

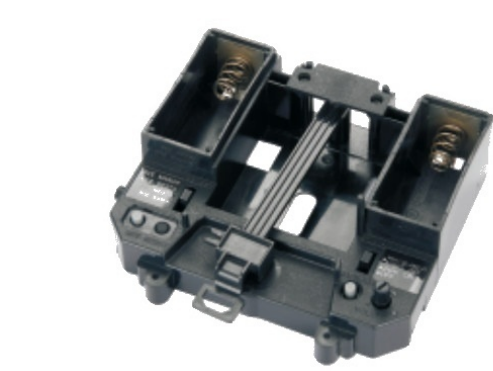
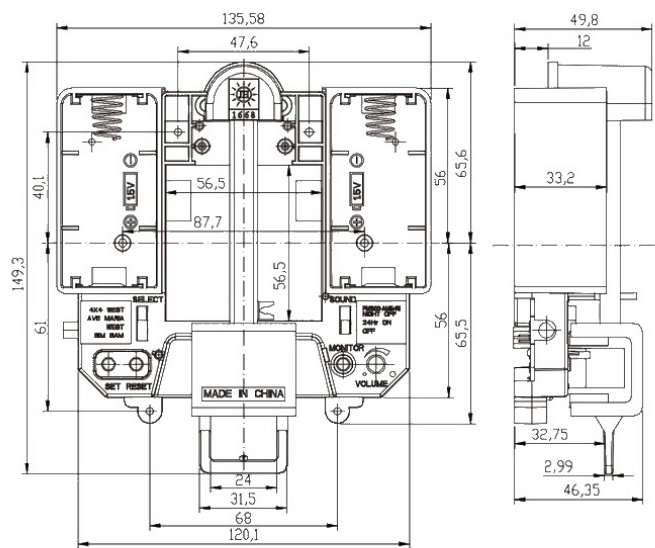
技术参数 Specifications

工作电压	Operating Voltage	1.3V to 1.7V
工作温度	Operating Temperature	-10℃~+50℃

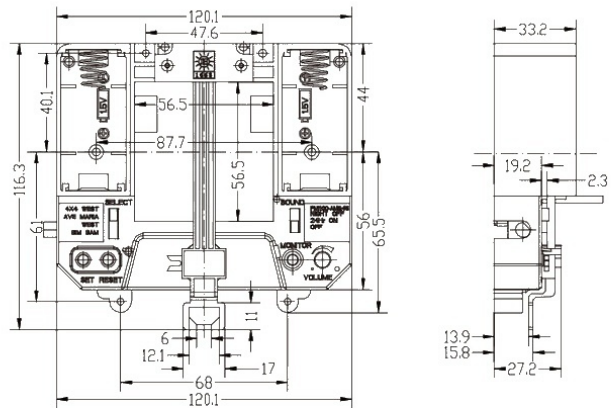
摇摆器系列 Pendulum Holder



JH1668 MPM



JH1668 MPM-S

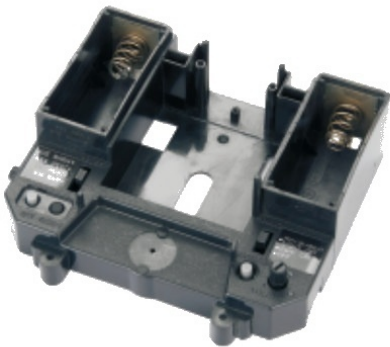


JH1668MPM 技术参数 Specifications

工作温度	Operating Temperature	-10℃ to 50℃	摆杆长度	Max. Pendulum Length	100cm
工作电压	Operating Voltage	3V	摆幅角度	Max. Pendulum Swing	6° with 300g
电池型号	Battery Model	#1 Battery	电池寿命	Battery Life	5 monthS
摇摆负载	Allowed Pendulum Weight	≤ 300g			

JH1668MPM-S 技术参数 Specifications

工作温度	Operating Temperature	-10℃ to 50℃	摆杆长度	Max. Pendulum Length	40cm
工作电压	Operating Voltage	3V	摆幅角度	Max. Pendulum Swing	30° with 100g
电池型号	Battery Model	#2 Battery	电池寿命	Battery Life	10 monthS
摇摆负载	Allowed Pendulum Weight	≤ 100g			



JH1668 MPM-N

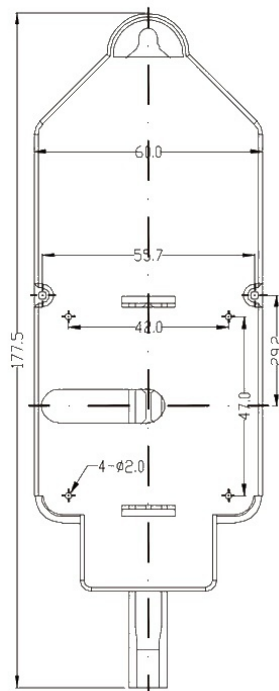
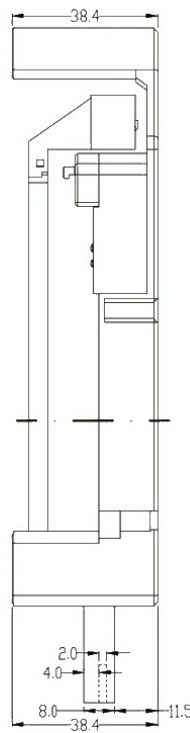
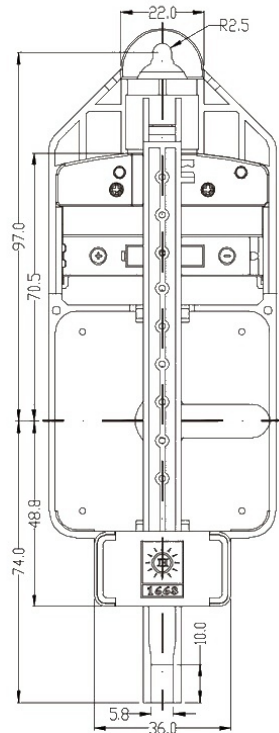
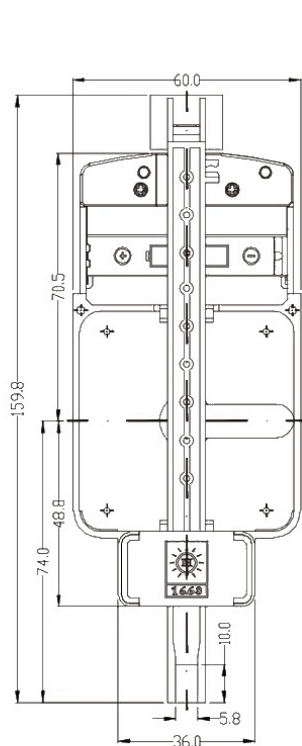
慢摆器 Slow Pendulum



1668DP



1668DP1



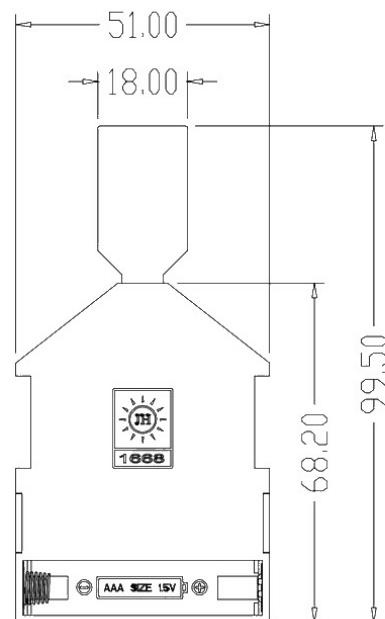
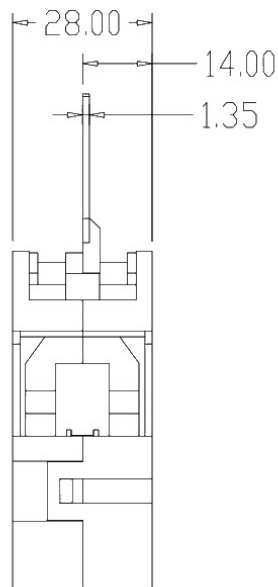
技术参数 Specifcation

工作电压	Operating Voltage	1.30V to 1.7V	最大摆长	MAX.Pendulum Length	25cm
工作温度	Operation Tempereature Range	-10℃~+50℃	最大摆重	MAX.Pendulum Weight	20g
最大摆幅	MAX.Pendulum Swing	30°			

小摇摆器 Small Pendulum Movement



JH1668 SPM



技术参数 Specifications

工作电压 Operating Voltage: 1.2 V to 1.7V

工作温度 Operating Temperature: -10°C ~ $+50^{\circ}\text{C}$

摇摆重量 Max. Pendulum Weight: 7.5g



90mm秒针



59mm 86mm



63mm 86mm



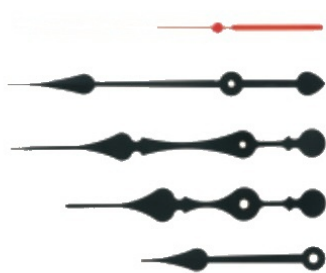
51mm 87mm



58mm 87mm



63mm 87mm



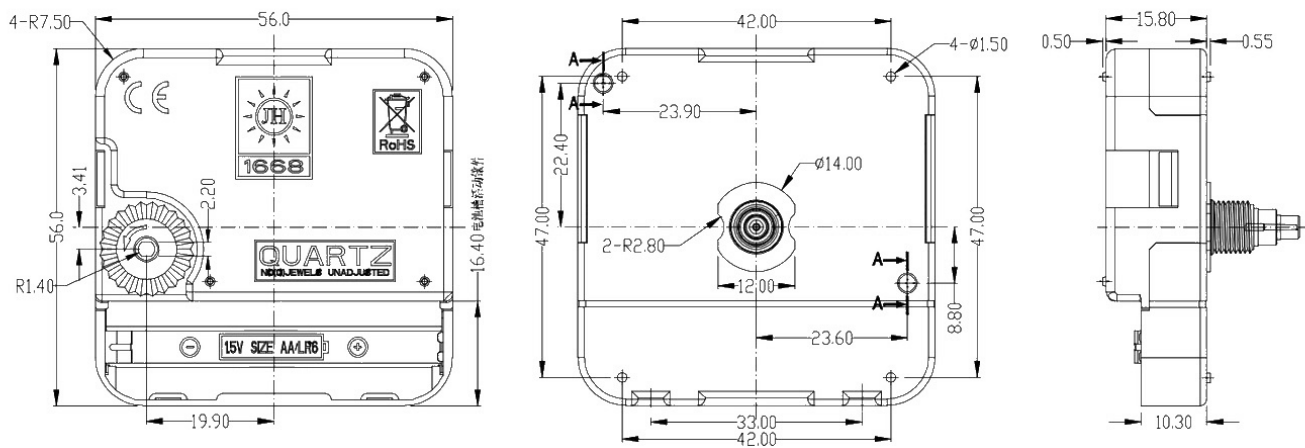
超大扭力跳秒机芯 Super Torque Step Clock Movement



技术参数 Specifcation

工作电压	Operating Voltage	1.20V to 1.70V
工作温度	Operation Tempereare Range	-10℃~+50℃
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃
秒针扭力	Torque at Second Hand	Over 260 uNm/at 1.5V
分针扭力	Torque at Minute Hand	70gf-cm over/at 1.5V
电池寿命	Battery Life	About 12 month (1.5 size R6/AA)

JH1668 DST



型号 Item	轴长 Shaft Length		螺丝高度 Screw Height		说明 Description
	分 Min.	时 Hour.			
JH-1668 -7.0	L3 = 6.7	L2 = 4.0	/		(扣入式) Buckie into the type
JH-1668 -8.0	L3 = 7.7	L2 = 5.0	/		(扣入式) Buckie into the type
JH-1668 -9.0	L3 = 8.7	L2 = 6.0	/		(扣入式) Buckie into the type
JH-1668 -11.0	L3 = 10.7	L2 = 7.5	/	L1 = 3.3	(扣入式) Buckie into the type (螺丝式) Screw type
JH-1668 -12.0	L3 = 11.7	L2 = 8.7	L1 = 4.8		(螺丝式) Screw type
JH-1668 -13.0	L3 = 12.7	L2 = 9.5	L1 = 5.5		(螺丝式) Screw type
JH-1668 -14.5	L3 = 14.2	L2 = 11.0	L1 = 6.9		(螺丝式) Screw type
JH-1668 -17.0	L3 = 16.7	L2 = 13.5	L1 = 9.6		(螺丝式) Screw type
JH-1668 -20.0	L3 = 19.7	L2 = 16.5	L1 = 12.3		(螺丝式) Screw type
JH-1668 -22.5	L3 = 22.2	L2 = 18.8	L1 = 14.8		(螺丝式) Screw type
JH-1668 -28.0	L3 = 27.7	L2 = 24.3	L1 = 19.3		(螺丝式) Screw type
JH-1668 -32.0	L3 = 31.7	L2 = 28.5	L1 = 24.3		(螺丝式) Screw type

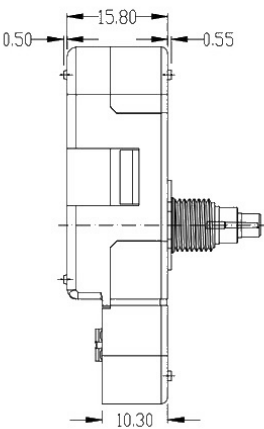
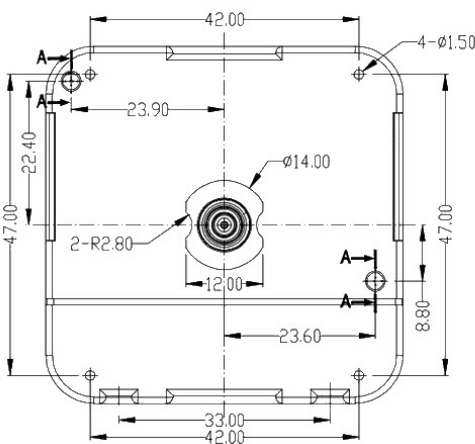
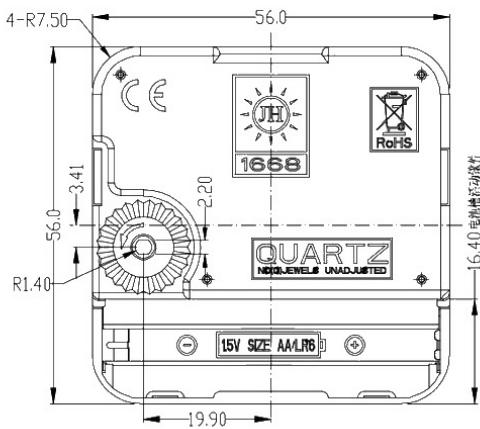
潮汐/月相机芯（跳秒/扫秒） Tide/Moon Movement(Step/Sweep)



JH1668 DST

技术参数 Specifcation

工作电压	Operating Voltage	1.25V to 1.7V
消耗电流	Current Consumption	Less than 140uA at 1.5V DC 跳秒
消耗电流	Current Consumption	Less than 180uA at 1.5V DC 扫秒
工作温度	Operation Tempereare Range	-10℃~+50℃
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v.25℃
秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
电池寿命	Battery Life	About 12 month (1.5 size R6/AA)



型号 Item	轴长 Shaft Length	螺丝高度	说明 Description
	时 Hour.	Screw Height	
JH-1688-13.00	L2=9.20	L1=5.50	(螺丝式) Screw type
JH-1688-14.50	L2=10.70	L1=6.80	(螺丝式) Screw type
JH-1688-17.00	L2=13.20	L1=9.60	(螺丝式) Screw type
JH-1688-20.00	L2=16.20	L1=12.30	(螺丝式) Screw type
JH-1688-22.50	L2=18.50	L1=14.80	(螺丝式) Screw type
JH-1688-24.50	L2=20.60	L1=16.30	(螺丝式) Screw type
JH-1688-28.00	L2=24.00	L1=19.30	(螺丝式) Screw type
JH-1688-32.00	L2=28.20	L1=24.30	(螺丝式) Screw type

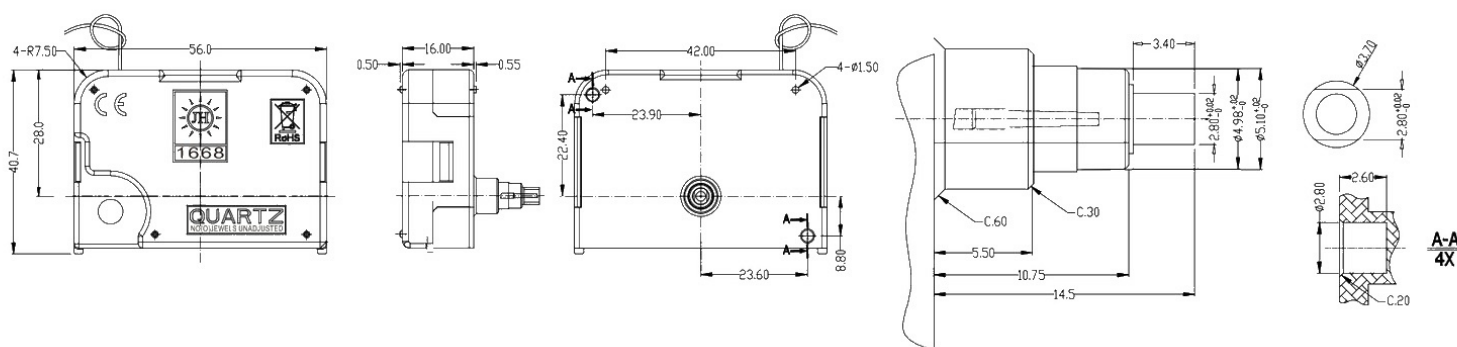
跳秒计时器 Step Timer Movement



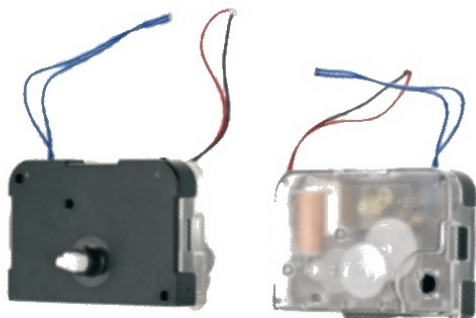
JH1668 TM

技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V
消耗电流	Current Consumption	Less than 140uA at 1.5V DC.
工作温度	Operation Tempereure Range	-10℃~+50℃
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃
秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
电池寿命	Battery Life	About 12 month (1.5 size R6/AA)



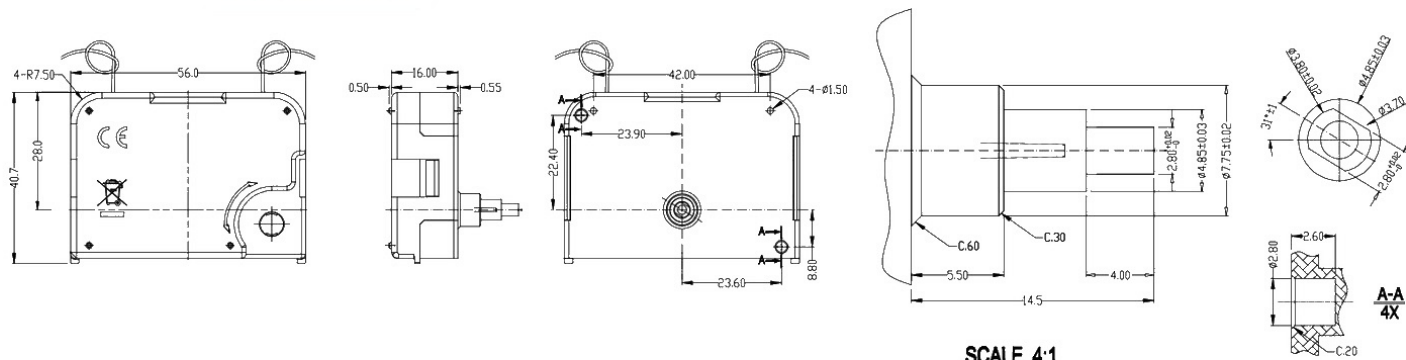
跳秒限位计时器 Step Limit Timer Movement



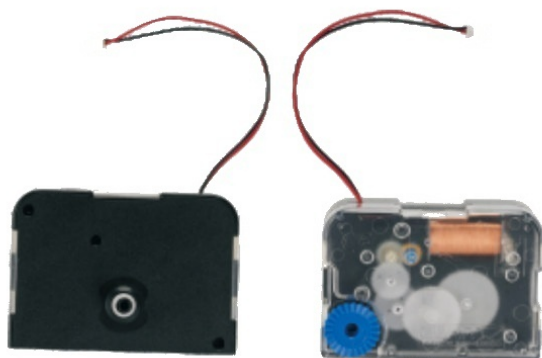
JH1668 TMX

技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V
消耗电流	Current Consumption	Less than 140uA at 1.5V DC.
工作温度	Operation Tempereure Range	-10℃~+50℃
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃
秒针扭力	Torque at Second Hand	1.0gf-cm over/at 1.5V
分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
电池寿命	Battery Life	About 12 month (1.5 size R6/AA)



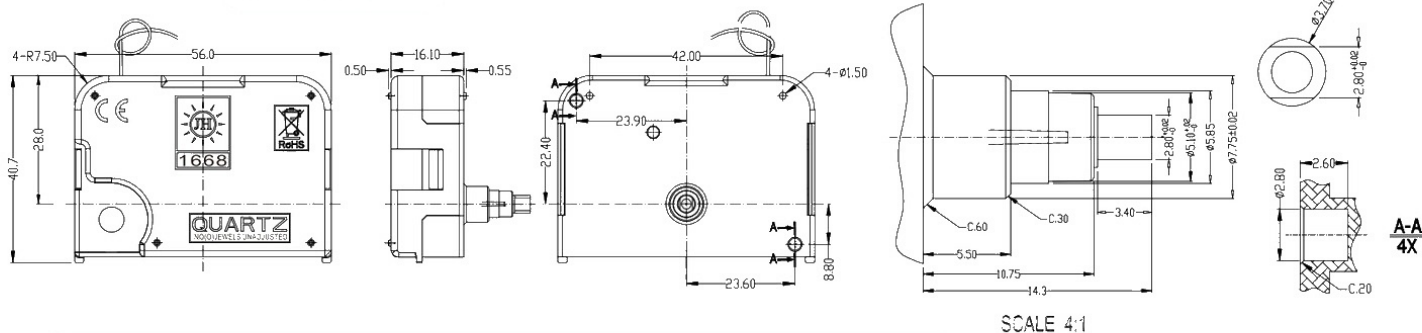
扫秒计时器 Sweep Timer Movement



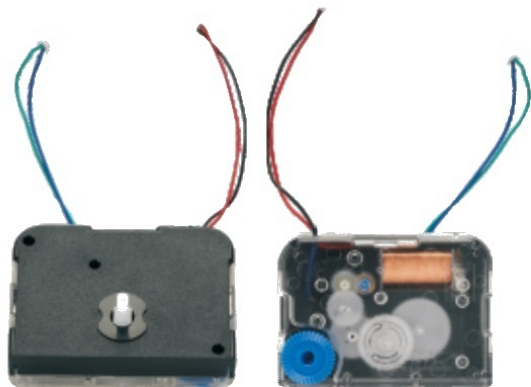
技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V
消耗电流	Current Consumption	Less than 240uA at 1.5V DC.
工作温度	Operation Temperature Range	-10°C ~ +50°C
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C
秒针扭力	Torque at Second Hand	200u Nm over/at 1.5V
分针扭力	Torque at Minute Hand	30gf-cm over/at 1.5V
电池寿命	Battery Life	About 10 month (1.5 size R6/AA)

JH1668 STM



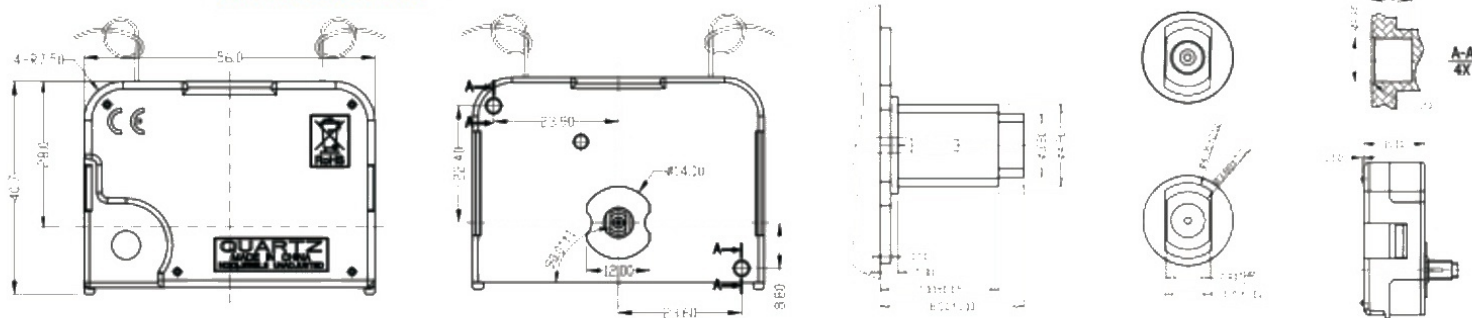
扫秒限位计时器 Sweep Limit Timer Movement



技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V
消耗电流	Current Consumption	Less than 240uA at 1.5V DC.
工作温度	Operation Temperature Range	-10°C ~ +50°C
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C
秒针扭力	Torque at Second Hand	200u Nm over/at 1.5V
分针扭力	Torque at Minute Hand	30gf-cm over/at 1.5V
电池寿命	Battery Life	About 10 month (1.5 size R6/AA)

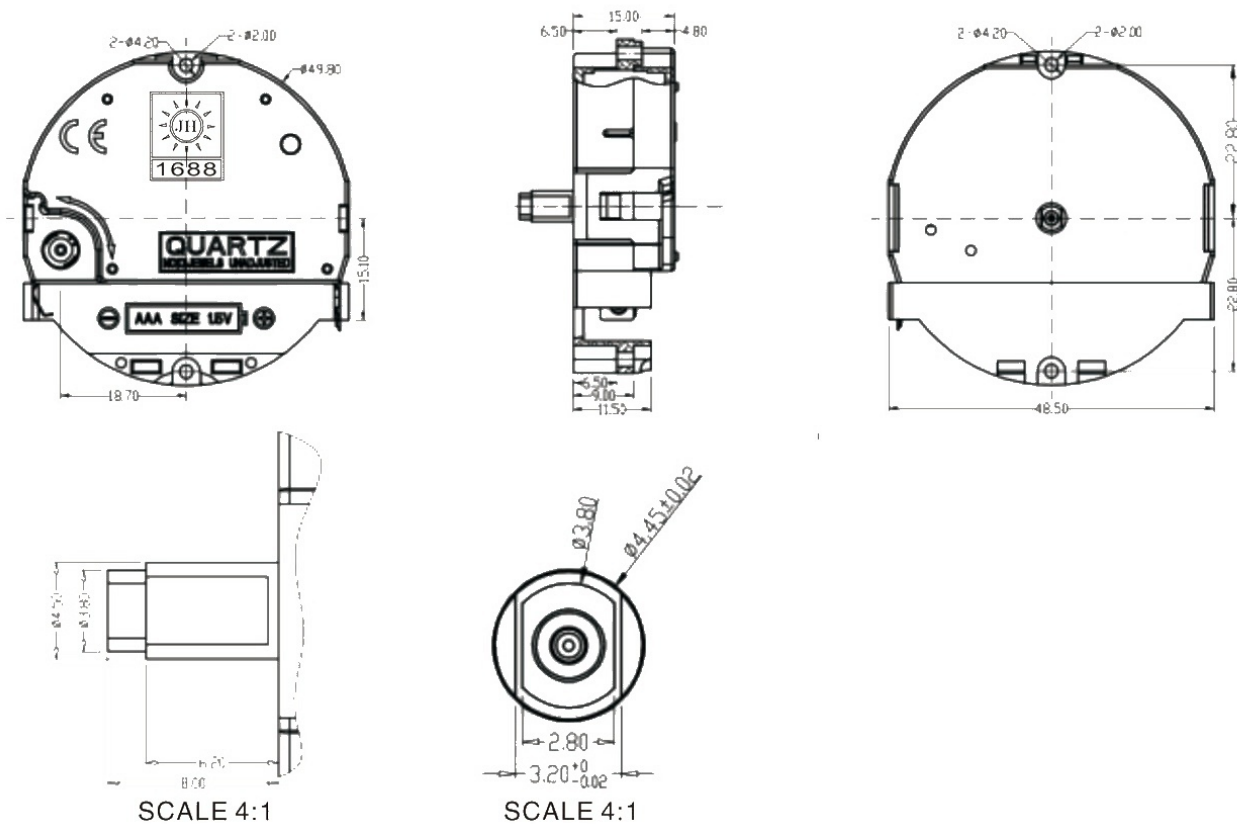
JH1668 STMX



小圆机芯扫秒计时器 Sweep Small Timer Movement



JH1668 SSTMX



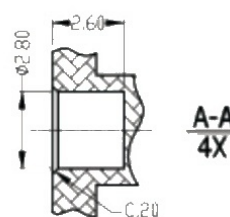
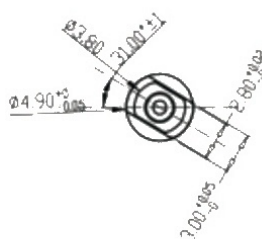
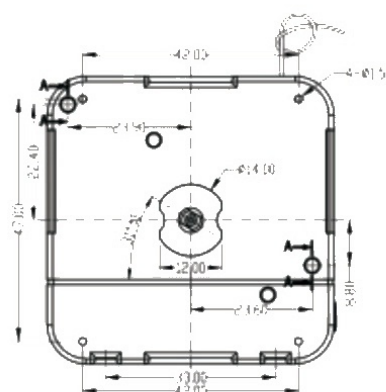
技术参数 Specification

工作电压	Operating Voltage	1.25V to 1.7V	秒针扭力	Torque at Second Hand	1.0 gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than 180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度	Operation Tempereature Range	-10℃~+50℃	电池寿命	Battery Life	About 10 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃			

BiBi计时器机芯 BiBi Timer Movement



JH1668 BTM



SCALE 2:1

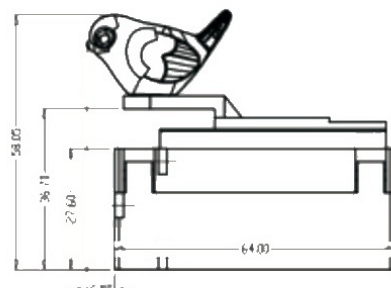
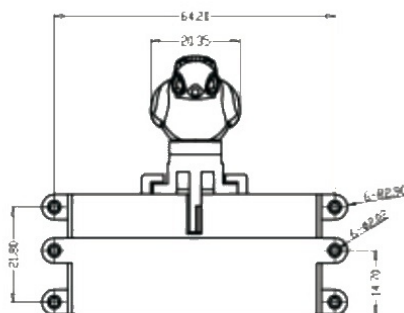
技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	1.0 gf-cm over/at 1.5V
消耗电流	Current Consumption	Less than180uA at 1.5V DC.	分针扭力	Torque at Minute Hand	36gf-cm over/at 1.5V
工作温度	Operation Tempereature Range	-10℃~+50℃	电池寿命	Battery Life	About 10 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25℃			

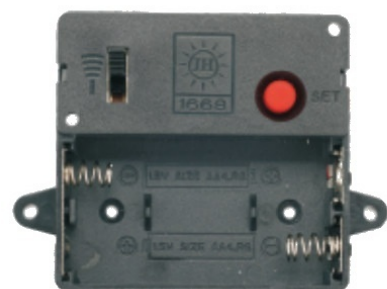
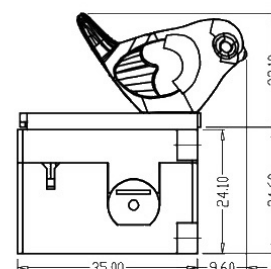
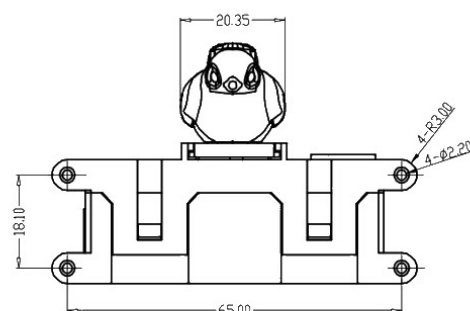
咕咕钟鸟盒系列 Cuckoo Clock Bird Box Series



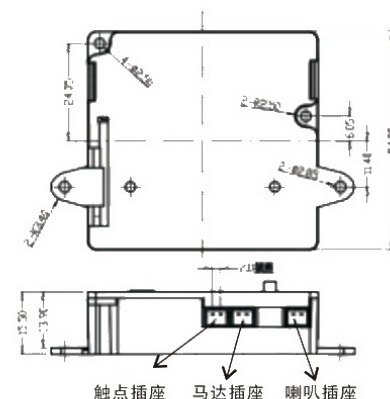
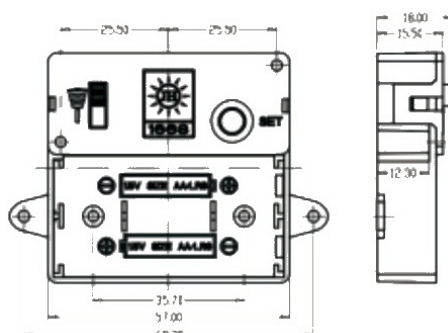
大鸟盒 JH1668 BL



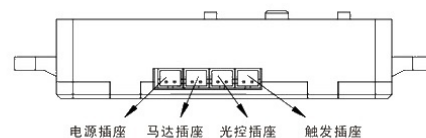
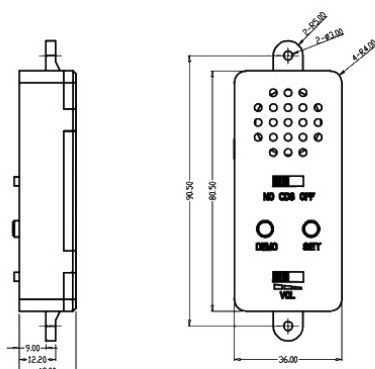
小鸟盒 JH1668 SL



咕咕鸟盒 JH1668 GO



布谷鸟盒 JH1668 BG



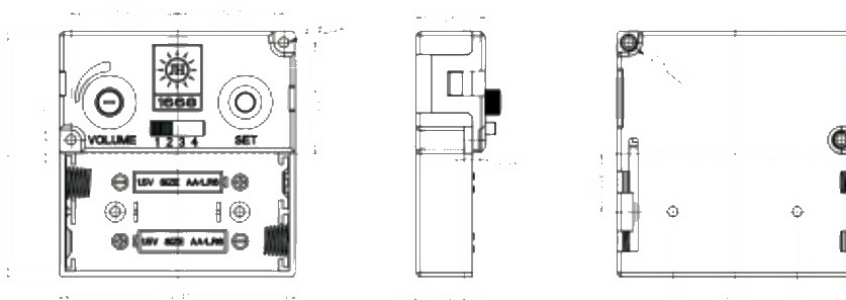
技术参数 Specification

工作电压	Operating Voltage	2.4V to 3.4V
工作温度	Operating Temperature Range	-10°C~+50°C
电池寿命	Battery Life	About 10 month(2*1.5 size R6/AA)

西敏寺小音乐盒 Westminster Small Music Box



JH1668 WSB



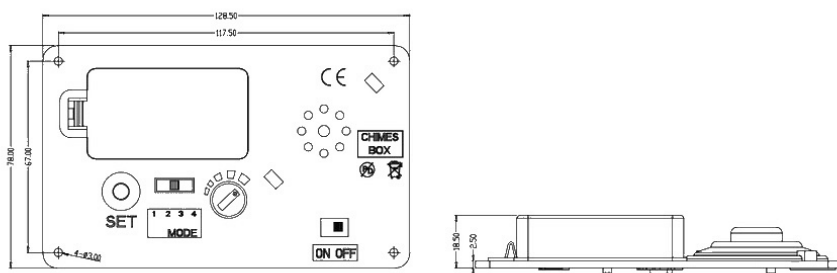
技术参数 Specification

工作电压	Operating Voltage	2.50V to 3.2V
消耗电流	Current Consumption	Less than 40mA at 3.0V DC.
工作温度	Operation Temperature Range	-10°C~+50°C

西敏寺大音乐盒 Westminster Big Music Box



JH1668 WBB



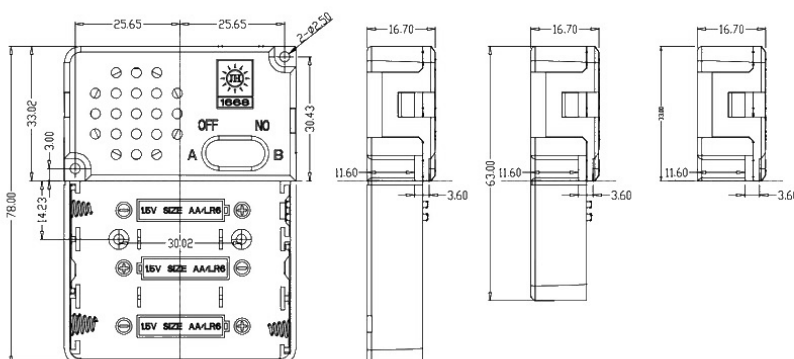
技术参数 Specification

工作电压	Operating Voltage	2.30V to 3.2V
消耗电流	Current Consumption	Less than 40mA at 3.0V DC.
工作温度	Operation Temperature Range	-10°C~+50°C

语音控制盒 Voice Controller



JH1668 VCB



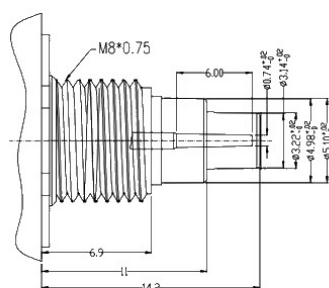
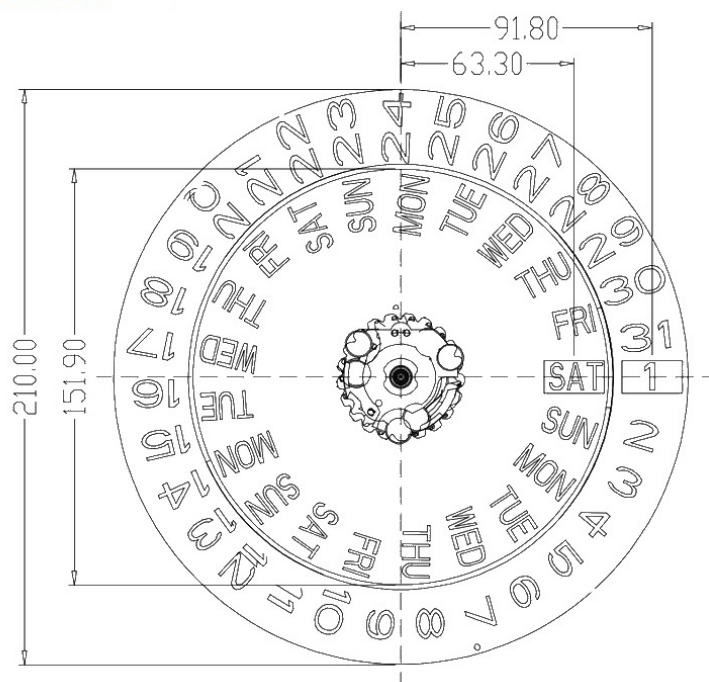
技术参数 Specification

工作电压	Operating Voltage (电池版)	3.30V to 5.2V
工作电压	Operating Voltage (充电版)	外供直流 5V
工作电压	Operating Voltage (声光控盒)	2.30V to 3.2V
消耗电流	Current Consumption	Less than 40mA at 5.0V DC.
工作温度	Operation Temperature Range	-10°C~+50°C

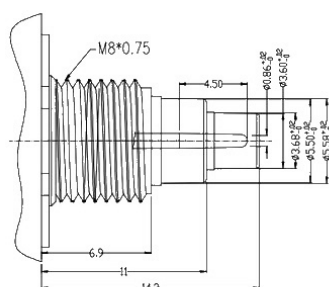
日星期机芯 Day-Date Clock Movement



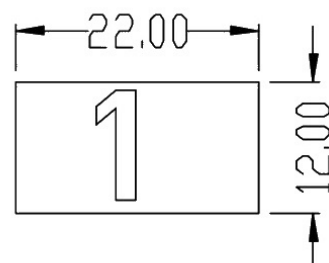
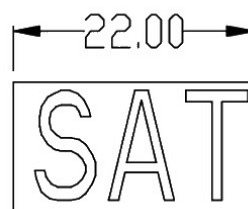
JH1668 SR



SCALE 4:1 Young Town Trunnion



SCALE 4:1 SKP Trunnion



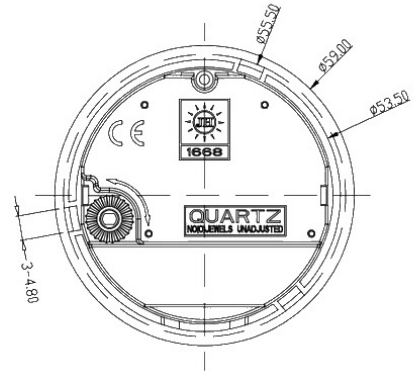
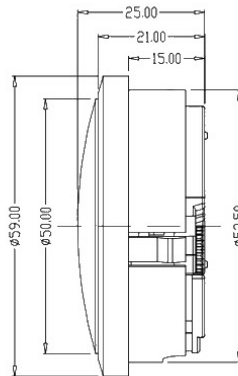
技术参数 Specification

工作电压	Operating Voltage	1.30V to 1.7V	秒针扭力	Torque at Second Hand	over 180 uNm/at 1.5V
消耗电流	Current Consumption	Less than 140uA at 1.5V DC.	分针扭力	Torque at Minute Hand	30gf-cm over/at 1.5V
工作温度	Operation Temperature Range	-10°C~+50°C	电池寿命	Battery Life	About 12 month (1.5 size R6/AA)
月 差	Time Keeping Accuracy	± 30sec/month at 1.5v, 25°C			

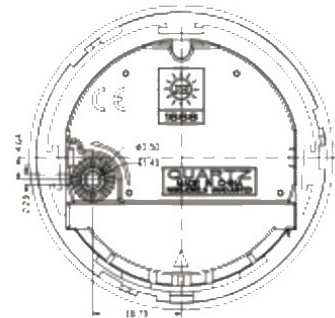
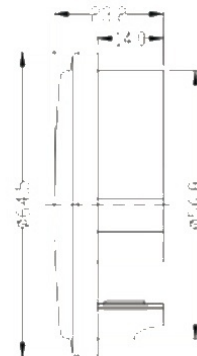
石英钟头 Quartz Clock Insert



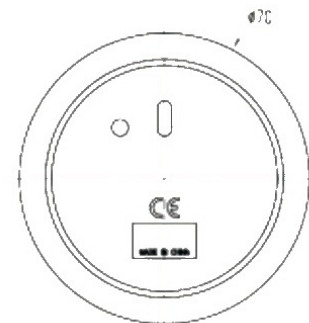
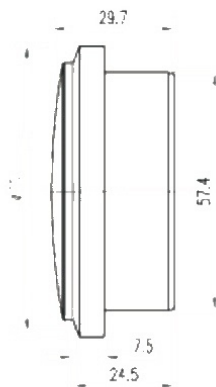
JH1668-60



JH1668-65



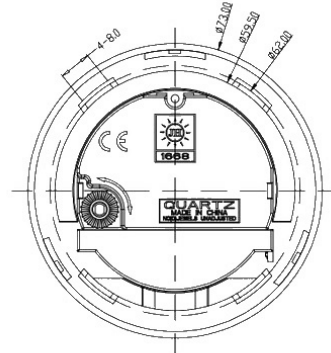
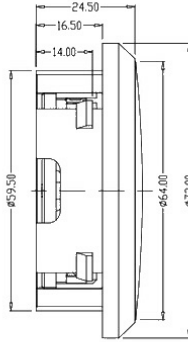
JH1668-70



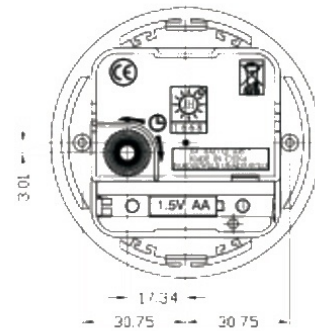
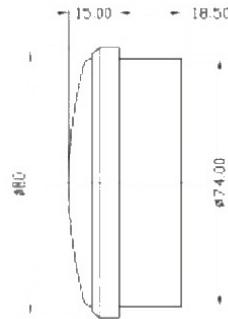
石英钟头 Quartz Clock Insert



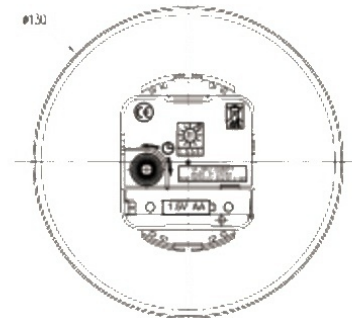
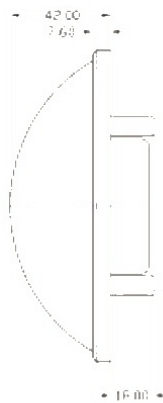
JH1668-73



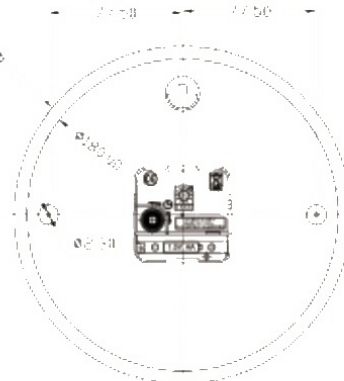
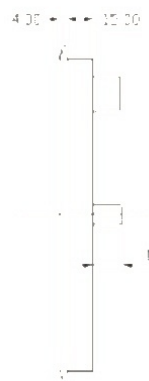
JH1668-80



JH1668-130



JH1668-195



配件 Extra Parts



沉头圆螺母



平面六角螺母



华司



胶垫片



铁挂钩A型



铁挂钩B型



L=7,5/10,5/20/24/27/35



背盖



防水盖



电池盖



90mm后盖



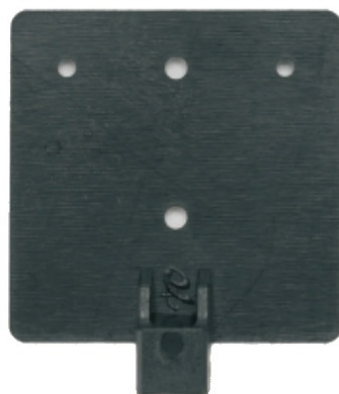
138mm后盖



150mm后盖



160mm后盖



摇摆方块



摇摆杆



摆陀