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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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产品规格书 PRODUCT SPECIFICATION

产品名称:_____扁平型振动马达______

产品型号:___1027_____

APPROVED 本司确定	DRAWN 编制	CHECKED 审核	APPROVAL 批准	DATE 日期
		MICHAEL		

ISSUE: 0
MODEL: NUMBER:

1. Construction Form (结构形式)

No. 序号	ITEM 项目	Contents 内容
1–1	Motor Construction 电机结构	Φ10-Flat Coreless Vibration Motor 直径为 10mm的扁平型无芯振动马达
1-2	Coil Construction 线圈结构	Flat Coreless Coil 扁平型无芯线圈
1-3	Rectifying Method 换向方式	Precious Brush and Commutator 贵金属电刷与换向器的换向

2. Standard Operating Condition (标准运行条件)

No. 序号	ITEM 项目	Contents 内容
2-1	Rated Voltage 额定电压	DC 3. 0V
2-2	Rated Load 额定负荷	Vibration Weight 偏心锤 (内置)
2-3	Rotation Direction 旋转方向	CCW or CW 逆时针或顺时针方向
2-4	Motor Position 电机安装位置	Any Position Available 任何位置都可以
2–5	Voltage Range for Use 工作电压范围	DC 2.5~3.5V
2-6	Allowable Temperature Range 允许温度范围	Working Temperature:-20°C-70°C 工作温度: -20°C-70°C
2-7	Storage Environment 保存温度范围	-30°C-80°C

MODEL: NUMBER:

Add: Measuring Condition (测试条件)

1. Measuring Temperature: 25□±2□ 测试温度: 25□±2□ 2. Measuring Relative Humidity: 45-75%RH 测试相对湿度: 45-5%RH

3. Electrical Characteristics (电性能)

No.	Item	Measuring Condition	Specification
序号	项目	测试条件	规格
3–1	Rated Speed 额定转速	At Rated Voltage and Rated Load 额定电压及负荷下测试	Min 10,000rpm
3-2	Rated Current	At Rated Voltage and Rated Load	80mA or less
	额定电流	额定电压及负荷下测试	80mA 以下
3-3	Starting Voltage	At Rated Load and Step Voltage	DC2.3V or less
	起动电压	额定负载及逐渐升高电压法测试	DC2.3V 以下
3-4	Insulation Resistance 绝缘电阻	DC100V between Lead wire and Case 引线与电机机身之间的绝缘电阻	10MΩ Min
3-5	Insulation Voltage	DC50V between Lead wire and Motor Case	No Destruction Occurs
	绝缘电压	引线与电机机身之间施加DC50V电压一分钟	不被击穿
3-6	Terminal Resistance 端子电阻	Measure between Terminals 端子间电阻	75 Ω Max

ISSUE: 0 MODEL: NUMBER:

4. Mec	4. Mechanical Specification (机械要求)					
No	Item	Measuring Condition	Specification			
序号	项目	测试条件	规格			
4-1	Configuration	Vernier-Calipers	As Specified in Outline Drawing.			
	外观尺寸	游标卡尺	参考相关外形尺寸图。			
4-2	Appearance	Visual Examination	Should be no Evidence of Mechanical Damage, Crack, Rust and Stain.			
	外观	目測	不得有明显的机械划痕,裂缝,锈迹,污点。			
4-3	Weight	Balance	0.9g Approx			
	重量	天平	约0.9g			
4-4	Mechanical Noise 机械噪音	MIC — Sponge	50dB(A) Max (在 Motor 表面 100mm 处, 3.0V) 将电机固定,使其保待不动。			

MATERIAL or METHODS

Specifications

	ISSUE:	0
N	NUMBER:	

	At Rated Voltage and Rated Load back ground Noise:50dB 额定电压及负荷下测试背景噪音 不超过50分贝。	
Vibration Test 振动量测定	电机 80g 铁块 海棉 模型块:80g 测定装置:VM-83	0. 8G (AVG) (Vm=DC 3. 0V)
Down-lead's loose		9.8N or More
Strength		9.8N 以上
	振动量测定 Down-lead's loose	Load back ground Noise:50dB 额定电压及负荷下测试背景噪音 不超过50分贝。 ***********************************

5. Reliability Test (可靠性试验)

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No.	Item	Contents			
序号	项目	内容			
5–1	Life Test 寿命测试	1) Voltage: DC3. 0V 測试电压: DC3. 0V 2) Load: Vibrator 负荷:偏心锤 3) Temperature: 20°C±2°C 温度: 20°C±2°C 4) Relative Humidity: 60-70%RH 相对湿度: 60-70%RH Test Mode: Turn On the Motor for 2sec and than stop for 1sec, 100,000 Cycle.			
5-2	High Temperature Exposure 高温放置	Exposure to $80^\circ\text{C} \pm 2^\circ\text{C}$ for 96hours, then return to Ordinary Temperature and Humidity for 2hours. 在温度 $80^\circ\text{C} \pm 2^\circ\text{C}$ 条件下放置96小时后,在正常温度和湿度下放置2小时。			
5-3	Low Temperature Exposure 低温放置	Exposure to -30°C for 96hours, then return to Ordinary Temperature and Humidity for 2hours. 在温度-30°C条件下放置96小时后,在正常温度和湿度下放置2小时。			
5-4	Humidity Test 湿度测试	Exposure to 40°C±2°C,90-95%RH(Relative Humidity) for 96hours, then return to Ordinary Temperature and Humidity for 2hours. 在温度40°C±2°C,90%RH(相对湿度)条件下放置96小时后,在正常温度和湿度下放置2小时。			
-		Exposure to Heat test condition underline for 10time, then return			
		to Ordinary Temperature and Humidity for 2hours. Page 5 of 9 在下列测试条件下循环10次后,在正常温度和湿度下放置2小时。(转换温			
	Temperature Cycle	度时间为8秒)			
5–5	Test	10yd e 20yd e .			

MODEL: NUMBER:

6. Performance and Characteristics (性能与特性)

Should be satisfied with the requirements of table1 after Reliability test 5-1-5-7. 通过以上可靠性试验 5-1-5-7 以后应满足表 1 的要求。

ISSUE: 0 NUMBER:

表 1: 评估表

MODEL:

No. 序号	ITEM 项目	Contents 内容
6–1	Rated Current 额定电流	Initial Data: ±30% Max 最大不超过初始值的±30%
6–2	Rated Speed 额定转速	Initial Data: ±30% Max 最大不超过初始值的±30%
6–3	Life Test 寿命测试	Initial Data: ±40% Max 最大不超过初始值的±40%
6–4	Starting Voltage 起动电压	DC 2.3V Max 最大不超过DC2.3V
6-5	Others 其它	1) Should not fail in starting 应正常启动 2) Should not be unusual mechanical noise 无异常噪音

7. Cautions (注意事项)

1) Allowable Range for Use 工作范围

Pay attention to Voltage and Current ranges for use, and Use the vibration motor of 9 in the Condition accordance with this specifications, or else the life and performance should be considerably reduced.

ISSUE: 0
MODEL: NUMBER:

MODEL: SSUE: CONTROL NUMBER:

8 Mechanical Drawing (机械图)

8-1 Material Lead/导线材质: UL AWM 1571 AWG32

ISSUE: 0
MODEL: NUMBER:

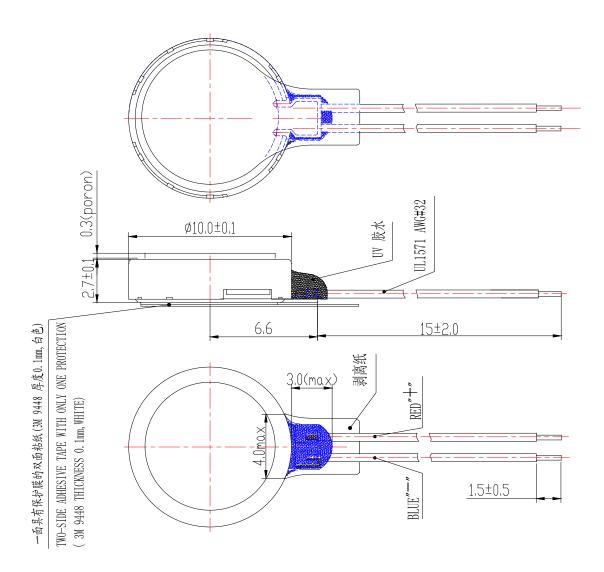


Figure 1 Motor Housing Configuration 图 1 电机外形结构图

ISSUE: 0
MODEL: NUMBER:

样品承认书 APPROVAL SHEET(RoHs)

	APPRO	VAL SHEET	(RoHs)		
客户名称 Customer		产品型号 Specificatio	n		
项目名称 project name		样品数量 QT'Y Sample	9		
送样日期 Date of Issue	F 月 日	承认项目 Approval	□工程/ □量产/		
承认: OK 1、规格尺寸: □ 3、震动指标: □ 5、概 述:	NG □ □ : : : : : : : : : : : : : : : : :	2、电压位 4、温 "√"。 2、	升 : □	NG □ □ 	明。
客户承认签核 Customer . 核 准	Approval:	· · · · · · · · · · · · · · · · · · ·	承 认) ,
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