NingBo Best Group Co.,Ltd

Specification for ultrasonic tooth cleaning tools

(超声波洁牙换能器规格书)

产品型号 PART NO.	FBTETR-001
规格书号 SPEC.NO.	

客户名称: CUSTOMER:			
产品名 PART NAME	超声波洁牙换的 ultrasonic cleaning too	tooth	
产品号: PART NO.			

DRAFTED BY (设计)	CHECKED BY (审核)	APPROVED BY (批准)
ISSUE I	DATE(发放时间): 202	0-08-08

客户核准 This Specifications is received	
开发工程师事业部	
DEVELOPMENT ENGINEERING DEPT.	核准日
	DATE:

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(超声波铲皮刀规格书)

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1. 适用范围 (SCOPE)

本规格书对产品的性能、测试方法进行了规范,作为技术确认的依据。

(The specification to standardize on the product 's performance and test methods are Recognized as a technology based)

2. 一般特性 (General Specification)

2.1. 本产品应用范围: 本产品可在超声波口腔护理、牙齿清洗、超声波雕刻等产品上作为超声换能元件使用

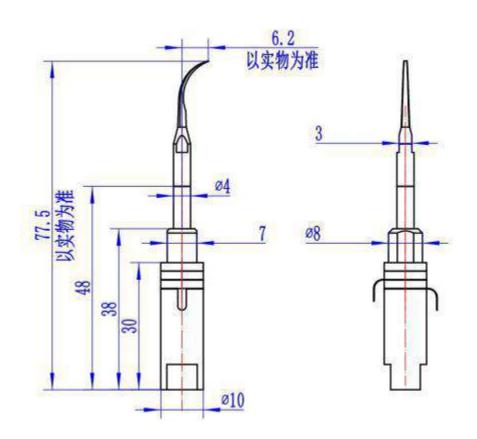
(This product can be used as an ultrasonic energy exchange component, used in oral care teeth cleaning, also can be used in ultrasonic engraving equipment,)

2.2. 标准测试条件: 一般情况下,在标准大气压,温度 $5\sim35$ ℃, 相对湿度小于 85% 的条件下进行测试;本规格书标准测试条件为标准大气压,温度 25 ℃, 相对湿度小于 60% 。(Standard test conditions: In the standard atmospheric pressure ,Temperature: $5\sim35$ ℃;Relative Humidity: <85%;)

3. 产品结构 (Product Structure)

本产品的构成是:本产品由不锈钢件夹持两个并联的压电陶瓷环构成。
(The product consists of two piezoelectric ceramic rings in parallel clamped by stainless steel parts.)

4. 产品尺寸图 (Dimension)



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项	产品型气	17	FBTETR-001
	谐振频率 (KHz) (resonant frequen		37
	谐振阻抗(Ω) (Resonant impeda	ance)	≤200
电	介电损耗 tgð (Dielectric loss fac	ctor)	≤0.4%
性	电容量(CT-nF) (Capacitance)		1.2nF±20%
规	机械品质因数(0	Quality Factor)	≥600
///	使用温度(Allowable temperature) 额定功率(Nominal Power)		-25℃~+85℃
格			3W
TH	最大功率(Maximum Power)		7W
		频率和阻抗用 HI 2166A 型电容分数	P5100型网络仪测试;电容量用 收测试;
	备注(Remarks)		impedance using HP5100 network
		_	testing ; Capacity using the
		2166A-type capa	citor sorter test;)

- 5. 包装与存贮 (Packaging and storage)
- 1. 标准贮存温度 -40℃----85℃。
- 2. 不可存放于相对湿度大于 75%或含有腐蚀性气体的环境中。
- 3. 内部吸塑包装

6. 物理及环境特性(Physical and Environmental Characteristics)

	试验项目	试验条件	要求
	(Pilot project)	(Test conditions)	(Requirements)

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	高温实验	高温(high temperature): 80℃±5	规格参数合格
1	(High temperature experiment)	时间(time): 96h	The specifications and parameters are qualified)
	低温实验	低温(Low temperature): -20℃±5	规格参数合格
2	(Low temperature experiment)	时间(time): 96h	The specifications and parameters are qualified)
3	湿度实验 (Humidity experiment)	温度(temperature): 40℃±2 湿度(humidity): >90%HR 时间(time): 96h	无锈 (No rust) 规格参数合格 The specifications and parameters are qualified)
4	跌落实验 (Drop Test)	高度(drop height): 1.5m 测试基底(Test substrate):水泥地(Cement floor) 测试次数(Number of tests): 6	无损伤 (No damage)
5	寿命测试 (Life test)	给定功率(Given power): 5w 时间: 96h	规格参数合格 The specifications and parameters are qualified)

7. 使用注意事项(Notes)

- 1. 本产品属陶瓷产品,在安装时使用过大的机械压力可能造成产品损坏;
- (This product is a ceramic products, Excessive mechanical stress may cause damage to the product)
- 2. 使用温度高于 150 度时可能导致产品退极化严重而影响电性能或损坏;
- (If the temperature is above 150 degrees it may be caused the product to depolarization, and it will affect the electrical properties)
- 3. 使用电压不能超过 1kv, 否则可能导致产品被击穿而损坏;
- (Using voltage can not exceed 1kv, Otherwise it may cause damaged by Puncture)
- 4. 其他使用上的问题,请向生产厂家咨询;

(Other questions, please consult the manufacturer)