

1630型一次性血压传感器



- 一次性血压传感器
- 符合AAMI 规范
- 低成本
- 完全电介质凝胶隔离
- 全额检测与补偿

产品说明

1630型完全硅阻压式传感器用于侵袭式血压监测。该传感器设计与自动化贴装设备一起使用并可直接装入客户的可替换的血压计的外壳内。传感器根据医疗仪器发展委员会对血压传感器的规范而设计。

压力传感器由一个封装在陶瓷基座上的检测元件构成。在陶瓷基座上的厚膜电阻经过激光蚀刻，可用作温度补偿和标定。附着在陶瓷基座上的塑制引压嘴与客户器件连接方便，并可保护传感元件。在传感器上的绝缘胶具有静电和流体的绝缘功能。

成批生产的1630型压力传感器在陶瓷基座上排成每组 3×8 个(每个基座上24个器件)，产品采用抗静电装载，同时也可采用带式或盘式包装。为了满足特殊用户的需求，产品性能和包装方式可以进行定制。

特点

- 低成本，医疗应用
- 小尺寸，可靠性能
- 液体凝胶隔离
- 工作温度：5 ~ 45
- 可实现自动化生产装配
- 1%精度
- 5.0uV/V/mmHg灵敏度
- OEM定制

应用

- 外科手术
- 重症监护室
- 输液泵
- 肾透析
- 真空吸引分娩
- 子宫内压监测

标准量程

量程	mmHg
-50 ~ 300	•

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性能参数

供电电流：6.0Vdc

参考温度：23 (除非另有说明)

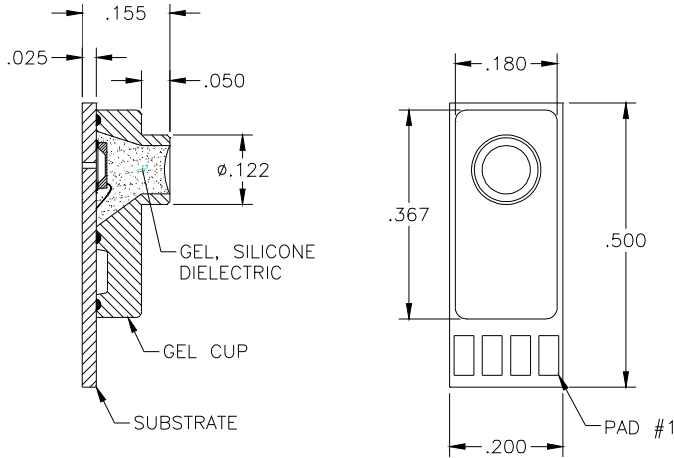
参数	最小值	典型值	最大值	单位	备注
工作压力范围	-50		300	mmHg	
过载压力	-400		1200	mmHg	
零点偏差	-20		20	mmHg	
灵敏度	4.9	5.0	5.1	uV/V/mmHg	
线性和迟滞(0~300mmHg)	-2.0		2.0	%Span	1
输入阻抗	1200		3200	Ω	
输出阻抗	270		330	Ω	
供电电压	2	6	10	Vdc or Vac rms	
危险电流(在120Vac rms,60Hz)			2	uA	
预热时间		5		Seconds	
频率响应		1200		Hz	
零点偏差漂移			2	mmHg	2
量程温度系数	-0.1		0.1	%/°C	3
零点温度系数	-0.3		0.3	mmHg/°C	3
相移(5KHz)			5	Degrees	
杀菌处理(ET0)	3			循环	4
工作温度	10		40	°C	
储存温度	-25		+70	°C	
产品使用寿命			72	小时	
保存期限	3			年	
湿度	10-90% (非凝结)				
接触面介质材料	硅凝绝缘胶				

备注

1. 最佳拟合直线。
2. 预热10分钟后8小时。
3. 全工作温度范围(10~40)，参考温度：23 。
4. 由用户杀菌处理。

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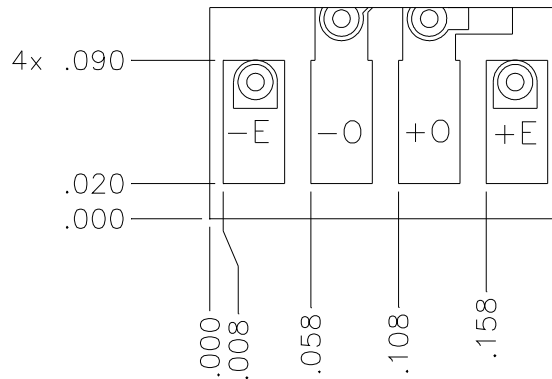
外形尺寸



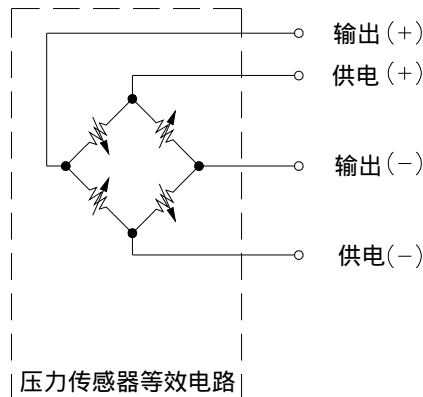
Notes

- Materials Used:**
 Substrate: 98% Alumina
 Transducer (Die): Silicon
 Die Attach Adhesive: Room Temperature Vulcanizer
 Lid Adhesive: Medical Grade UV Curing Adhesive
 Conductor And Contact Pads: Platinum-Silver Alloy
 Wire Bonds And Bond Pads: Gold
 Resistors: Ruthenium-Based Thick Film Paste
 Solder Dams: Green Glass
 Protective Gel Lid: Rad-Stable Polycarbonate Resin
- Miscellaneous of Gel:**
 Max dimension below surface A = .035" [0.89].
 Max dimension above surface A = .000" [0.000].
- All dimensions taken at maximum draft.**
- All unspecified fillets and radii are .015" [0.38].**
- All draft angles 1° maximum.**

标准焊盘结构



电气连接图

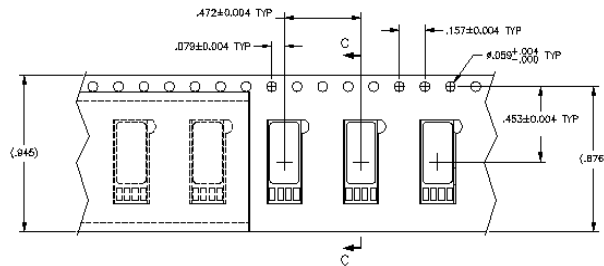


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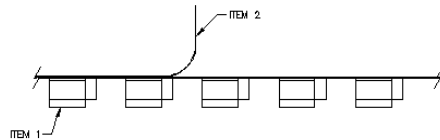
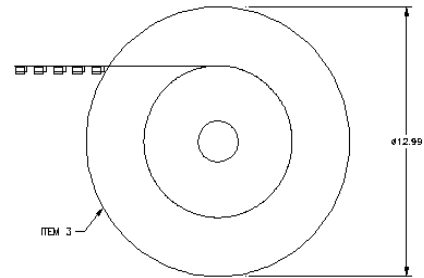
包装运输

SHIPPING CONFIGURATION OPTION: TAPE AND REEL

TAPE SPECIFICATIONS
1/2 SCALE

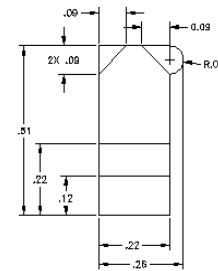
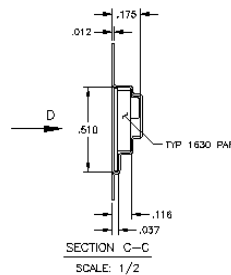


REEL SPECIFICATIONS
1/B SCALE



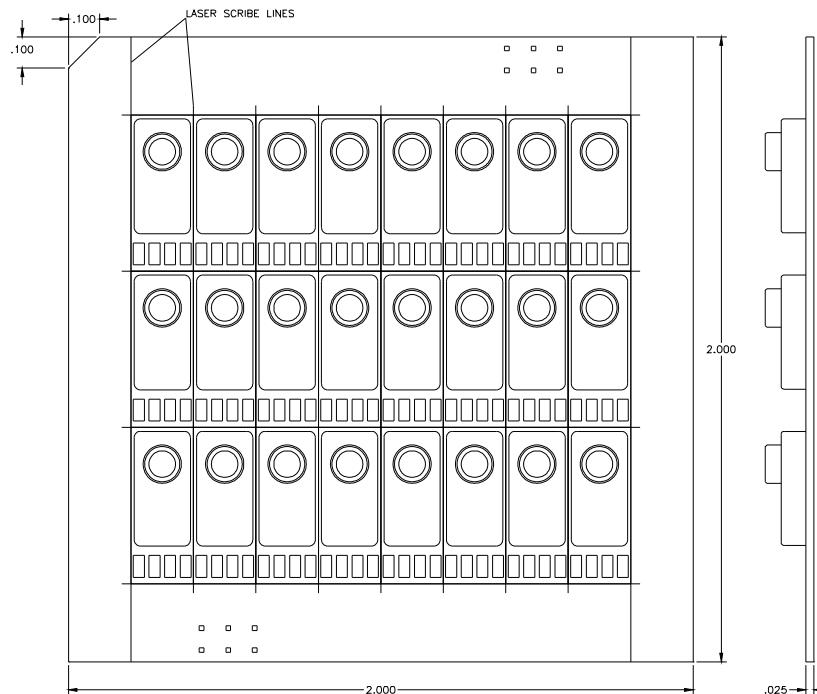
FULL PANEL INFO

- A) SENSORS ARE SHIPPED AS 120 UP SNAPSTRATES AND MUST BE SINGULATED BY THE PURCHASER.
- B) EACH PLACE MAY INCLUDE UNITS THAT HAVE FAILED VISUAL OR ELECTRICAL PARAMETERS AS WELL AS GOOD UNITS. BAD UNITS ARE IDENTIFIED WITH A DOT ON THE BACKSIDE OF THE CELL LOCATION.
- C) PLATES ARE SHIPPED IN DUST FREE ANTI-STATIC CONTAINERS TO PREVENT CONTAMINATION OF THE GEL SURFACE.



VIEW D-D
SCALE: 1:1
SHOWN WITHOUT PART
FOR CLARITY

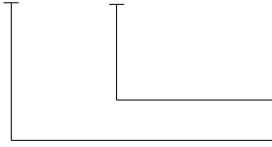
SHIPPING CONFIGURATION OPTION: FULL PANEL



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产品选型示例

1630 - T



空白 = 24UP标准包装, T = 带式 and 盘式包装
型号

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