

压力传感器陶瓷基座
Ceramic Body For
Piezoresistive Sensor



sedal
CERAMICS

YOUR
TECHNICAL
CERAMICS
PARTNER

SEDAL CERAMICS



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公司简介：

Company introduction:

江门赛特精密陶瓷有限公司坐落在美丽的珠江三角洲，隶属于拥有超过三十年技术陶瓷行业背景的欧洲赛道集团，为其全资子公司。赛特精密陶瓷依托最先进的技术致力于研发、生产高性能技术陶瓷。作为一家全球供应商，我们的客户遍布四大洲，每年向全球提供超过7000万片的高性能陶瓷产品。

赛特精密陶瓷的核心目标是同全球客户建立长期卓越的合作，并不断致力于自身发展，成为您身边的优秀伙伴。我们的先进陶瓷产品覆盖龙头阀门、电子、汽车、机械、化工、能源及环境领域。

赛特精密陶瓷始终专注于客户满意并不断追求卓越品质，我们期待通过高效、共赢的企业理念，成为您身边的先进陶瓷合作伙伴。

赛特精密陶瓷---专业成就无限可能！

Sedal Ceramics, located in the Pearl River Delta, Jiangmen City, China, is a wholly owned subsidiary of Sedal Group, an European company with experience for more than 30 years in advanced ceramics products. Specialized in the development, production and supply of technical ceramics parts, components and products, Sedal Ceramics is equipped with the latest technologies. At this moment, Sedal Ceramics is an advanced ceramics components provider with production capacity of more than 70 million pieces per year and supplies costumers in 4 continents, complying with the highest demanding international quality standards.

Long term cooperation with worldwide companies is the key of our success. With strong focus on growing and becoming your preferred partner, Sedal Ceramics supplies advanced ceramics components for Faucet and valve, Electronics, Automotive, Machinery, Chemical, Energy and Environment sectors.

Sedal Ceramics, focuses efforts on its customers with continuous product excellence, offering high efficiency, mutual benefit and for this reason willing to be and become your advanced technical ceramics partner.

Sedal Ceramics---Professionalism achieving endless possibility!

PRODUCTION PROCESS



赛特精密陶瓷拥有自主专利陶瓷配方及先进生产设备，同时我们的专家团队精通整套生产及工艺流程，并辅以全面质量管理，确保从生产的第一个环节起即保证产品卓越的品质及性能。

Sedal Ceramics possesses of its own facilities and entire process, from the raw materials production to advanced production facilities and quality control techniques, being able to produce its own raw materials and guarantee excellent quality and performance. All the development and production process, as well as quality control management, are performed by our own facilities and specialist team.

赛特精密陶瓷拥有从粉料开始的整套研发及工艺流程，并辅以先进的生产设备及检测仪器。我们独有的SEDALOX®专利配方，从生产的第一个环节起即保证了产品卓越的品质及一致性，与此同时我们精通生产中的每一个环节并辅以全面质量管理。

Sedal Ceramics possess the entire R&D and production process, up from raw material. Meanwhile we possess advanced production facilities and inspection instruments. Sedal Ceramics produce our own Alumina, the SEDALOX® which enable us to guarantee excellent quality and conformance, further more we master every production process and execute total quality control management.



SENSOR CERAMIC CATEGORIES

序列 Serial No.	量程规格 Pressue range	外观尺寸 Main Dimension	膜厚 Membrane thickness
59	2 bar	OD: 18mm; ID: 9.7mm; H: 6.35mm	0.12+/-0.025mm
	5 bar		0.20+/-0.025mm
	10 bar		0.30+/-0.025mm
	16 bar		0.36+/-0.025mm
	20 bar		0.40+/-0.025mm
	25 bar		0.48+/-0.025mm
	30 bar		0.55+/-0.025mm
	50 bar		0.68+/-0.025mm
	100 bar		1.15+/-0.025mm
	200 bar		1.50+/-0.025mm
	300 bar		1.75+/-0.050mm
	400 bar	1.85+/-0.050mm	
73	10 Bar	OD: 18mm; ID: 5.25mm; H: 4.00mm	0.20+/-0.025mm
	30 Bar		0.33+/-0.025mm
131	30 Bar	OD: 18mm; ID: 5.5mm; H: 6.35mm	0.29+/-0.025mm
132	30 Bar	OD: 18mm; ID: 9.7mm; H: 3.50mm	0.30+/-0.025mm
128	600 Bar	OD: 18mm; ID: 4.5mm; H: 6.35mm	1.25+/-0.05mm
82	Capacitor 电容式	OD: 21mm; H: 0.5-1.0mm	
120	Capacitor 电容式	15*12.5*2.5mm	

● 材质及尺寸: 96%氧化铝 96% Al₂O₃

● 量程规格: 基于芯体结构和膜厚, 可根据客户要求定制。

Pressure: Based on body geometry and membrane thickness, customized designs are available.

● 产品兼容性: Product compatibility:

1. 零点偏移 Zero stability: $\leq \pm 0.2$ mV/V

2. 综合精度 General accuracy

(非线性, 迟滞, 重复性 Linearity, hysteresis, repeatability): $\leq \pm 0.5-1.0$ % FS (根据不同量程及电路特性)

3. 爆破压力 Burst pressure: > 3 倍 >300% FS (100 Bar 以下量程 For pressure range < 100 Bar)

4. 温飘 temperature drift: $\leq 0.03-0.04$ % FS / °C

5. 灵敏度 Sensitivity: 2.2-3.8 mV/V

(根据不同量程及电路特性 based on different pressure range and circuit characteristic)



MAIN PRODUCTS

COMPLYING WITH THE HIGHEST INTERNATIONAL STANDARDS

Example of applications:



我们的优势:

- 客户专属定制
- 独有专利原料配方
- 模具自主研发及加工
- 精密干压和多种成型工艺
- 快速产品模型设计 (CNC,EDM)
- 先进生产设备及检测仪器

OUR CAPABILITIES:

- Exclusive customized products
- Own designed SEDALOX® formula
- High precision mold manufacturing
- Advanced dry press and other process
- Rapid prototyping(CNC,EDM)
- Advanced facilities and inspection instruments



Faucet & Valve



Energy & Environment



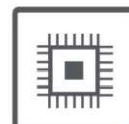
Mechanical system



Chemical industry



Transportation industry



Electronic application



Food industry



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