



BH SENS TPMS

IT JUST MAKES SENS

保富电子产品介绍

PRODUCT INTRODUCTION



上海保隆汽车科技股份有限公司
Shanghai Baolong Automotive Corporation

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THE PARENT COMPANY INTRODUCTION

BAOLONG AUTOMOTIVE

保富电子母公司-保隆科技简介

P 03-04

- ABOUT BAOLONG AUTOMOTIVE
保隆科技简介

P 05-06

- BUSINESS UNITS & GLOBAL FOOTPRINT
业务单元&全球布局

P 07-08

- MILESTONES & GLOBAL OPERATION
发展历程&国际化运营

P 09-10

- MAIN CUSTOMER
主要客户



ABOUT BAOLONG AUTOMOTIVE

保隆科技简介

保隆科技于1997年5月在松江创立，2017年在上交所上市；截至2025年底，在上海松江、浦东、安徽宁国、安徽合肥、湖北武汉、江苏高邮和美国、德国、波兰、匈牙利、奥地利、泰国等地有12个生产园区、23家工厂和15个研发中心，以及20余个销售分支机构，全球员工超过8100人。

公司产品包括TPMS、车用传感器、智能辅助驾驶产品、智能悬架、汽车金属管件、气门嘴以及平衡块、BUSBAR、液冷板和铝外饰件等。

保隆科技已成为气门嘴、平衡块、排气管、胎压监测系统、智能悬架等细分领域的全球领先供应商之一，是中国汽车供应链百强、上海市制造业五十强企业，为全球50多个国家2500余个客户服务，主要客户包括全球主要的整车企业、一级供应商以及独立售后市场流通商。

Shanghai Baolong Automotive Corporation was founded in May, 1997 in Songjiang District, Shanghai, and has been listed on Shanghai Stock Exchange since 2017. By the end of 2025, the company has 12 manufacturing campuses, 23 factories, 15 R&D centers, and over 20 sales branches in China (Songjiang District and Pudong District, Shanghai; Ningguo and Hefei, Anhui Province; Wuhan, Hubei Province; Gaoyou, Jiangsu Province), the United States, Germany, Poland, Hungary, Austria, Thailand, etc., and more than 8,100 staff around the world.

Baolong offers extensive product portfolio including TPMS, automotive sensors, intelligent assisted driving solutions, ECAS, automotive metal tubing, tire valves, wheel weights, BUSBAR, liquid cold plates, aluminum exteriors, and more.

Baolong has become one of the leading global supplier of tire valves, wheel weights, exhaust pipes, TPMS, and ECAS. It is ranked among China Top 100 Automotive Suppliers and Shanghai Top 50 Manufacturing Enterprises. We've proudly supplied to over 2,500 customers in more than 50 countries. Our main customers include major carmakers, tier-1 suppliers, and independent aftermarket distributors in the world.

29 年历史

1997年5月20日
创立于上海松江

Founded in Songjiang, Shanghai on May 20, 1997

8100+ 人

截至2025年底，
全球员工总数超8100人

More than 8100 employees globally as of the end of 2025

84+ 亿元

股票代码：603197.SH
债券代码：113692
2025年日均总市值84.8亿元人民币

Stock code: 603197.SH
Daily average market value of 2025: 8.48 billion (RMB)

12 个生产园区

在中国、东南亚、北美、欧洲
设有12个生产园区

Twelve manufacturing campuses in China, Southeast Asia, North America and Europe

87+ 亿元

2025年全球合并营业
收入约87.5亿元人民币

Consolidated revenue globally of 2025: 8.75 billion (RMB)

2500+ 个客户

向全球50多个国家和地区的
2500多个客户提供产品和服务

Supplies to more than 2,500 customers in over 50 countries and regions

BUSINESS UNITS

业务单元

ARM 汽车橡胶金属部件业务单元 Automotive Rubber & Metal Parts

- 气门嘴 Tire Valves
- 平衡块 Wheel Weights
- 储气罐 Air Reservoirs
- 铝制配件 Aluminum Parts
- 连接母排 Busbar

ALW 汽车轻量化业务单元 Automotive Light Weight

- 车身 / 底盘结构件 Body / Chassis Structural Parts
- 液冷板 Liquid Cold Plates

IDS 智能驾驶业务单元 Intelligent Driving Solutions

- 摄像头 Cameras
- 毫米波雷达 Millimeter-Wave Radars
- 超声波雷达 Ultrasonic Sensors
- 解决方案 Solutions
- 控制器 Controllers

ECAS 智能悬架业务单元 Electronically Controlled Air Suspension

- 智能悬架系统 Intelligent Suspension Systems
- 空气弹簧 Air Springs
- 空气供给单元 Air Supply Units
- 全主动悬架电液泵 Motor Pump Units
- 系统集成 / 控制器 System Integration / Suspension Controller
- 电控减振器 Air Spring Dampers
- 两轮车空悬解决方案 Two-Wheeler Air Suspension Solution

TPMS 胎压监测系统业务单元 Tire Pressure Monitoring Systems

- 轮胎压力监测系统 TPMS
- 爆胎监测产品 TPMS With Blowout Monitoring Function

AME 汽车后市场与装备业务单元 Automotive Aftermarket & Equipment

- 汽车后市场 Automotive Aftermarket
- 汽保设备与工具 Maintenance Equipment & Tools
- 自动化产线 Automated Production Lines

AMT 汽车金属管件业务单元 Automotive Metal Tubing

- 排气系统管件 Exhaust Pipes
- 铝外饰件 Aluminum Exteriors
- EGR管件 EGR Pipes
- 金属冲压件 Metal Stamped Parts

AS 传感器业务单元 Automotive Sensors

- 压力/力类传感器 Pressure / Force Sensors
- 光学传感器 Optical Sensors
- 电流传感器 Current Sensors
- 速度传感器 Speed Sensors
- 位置传感器 Position Sensors
- 加速度/偏航率传感器 Accelerator / Yaw Rate Sensors

DILL DILL单元 Dill Air Controls Products, LLC

- 售后车用气门嘴 Tire Valves For Automotive Aftermarket
- 飞机气门嘴 Valves For Aircraft
- 售后TPMS TPMS For Aftermarket
- 工业阀门 Industrial Valves

GLOBAL FOOTPRINT

全球布局



MILESTONES

发展历程

1997

公司成立
Baolong founded



1998

自研轮胎气门嘴
Developed tire valves



1999

总部园区成立
Songjiang campus opened



2000

自研车轮平衡块
Developed wheel weights



2001

自研排气系统管件
Developed exhaust pipes



2002

自研TPMS
Developed TPMS



2006

宁国园区成立
Ningguo campus opened



2009

自研汽车压力传感器
Developed pressure sensors



2012

自研汽车结构件、光雨量传感器、空气弹簧
Developed structural parts, rain & light sensors and air springs



2013

自研视觉系统、毫米波雷达
Developed cameras and millimeter-wave radars



2014

武汉园区成立
Wuhan campus opened



2016

自研电控减振器
Developed air spring dampers



2017

上海证券交易所上市
IPO on Shanghai Stock Exchange



自研轮速传感器、电流传感器
Developed Wheel speed sensors; Current sensors



2018

合肥园区成立
Hefei campus opened



自研ECAS, 包括:
全铝悬架储气罐、悬架控制单元
空气供给单元、车身加速度传感器
车身高度传感器
收购德国PEX和TESONA

Developed ECAS, including:
All-aluminum air reservoirs for intelligent suspension;
Suspension controllers; Air supply units;
Body accelerator sensors; Body height sensors.
Acquired PEX and TESONA, Germany



2020 领目科技 LEADMIVE

合资成立领目科技
Jointly establish Leadmove

2022 LONGAN 龙感 UDAS

收购龙感科技,
合资成立优达斯
Acquired LONGAN;
Jointly establish UDAS

2023

欧洲研发制造中心正式开园;
European R&D and manufacturing center opened



2024 INGEEK 银基科技

合资成立银基科技
Jointly establish Ingeek

2025 WEIFU 威孚

合资成立威孚高科
Jointly establish WEIFU

2026

泰国生产园区开园
Thailand manufacturing campuses opened



GLOBAL OPERATION

国际化运营

1997



开展汽车零部件国际贸易

Started international sales of auto parts

2005



设立海外公司VALOR;
收购成立于1909年的美国DILL

Founded Valor in Germany, an overseas subsidiary
Acquired DILL, an American company founded in 1909

2018



收购德国传感器公司PEX和TESONA

Acquired PEX and TESONA sensor companies in Germany

2019



与德国第二大钢铁公司沙士基达签订协议设立合资公司-BSHF
与德国霍富集团 (HUF) 成立合资公司-保富电子
收购奥地利MMS, 在中国上海设立运营中心

Founded BSHF, a Chinese joint venture with Salzgitter, the 2nd biggest steel company in Germany
Founded BH SENS, a global joint venture with Huf, a German company
Acquired MMS, an Austrian company and founded an operation center in Shanghai, China

2020



保隆 (欧洲) 控股有限公司 (BHE) 在匈牙利购置土地, 投资建设新园区

Baolong Holdings Europe Kft. bought land in Hungary for construction of the new production base

2022



匈牙利园区开建

Started construction of a new factory in Hungary

2023



保隆欧洲研发制造中心正式开园

Baolong European R&D and manufacturing center officially opened

2026



泰国园区开园

The campus in Thailand opened

目前跻身全球前三
At present, among the top 3 globally

目前跻身国内前三
At present, among the top 3 in China



MAIN CUSTOMER

主要客户

保隆科技与许多世界知名的整车厂和一级供应商合作，他们相信保隆科技致力于汽车产品和解决方案的创新和改变，使得驾乘人员能够获得更安全、更有效率和更舒适的体验。

Baolong cooperates with many world-renowned OEMs and Tier-1 suppliers that trust us to implement the most innovative and game-changing products and solutions to improve safety, efficiency and comfort.

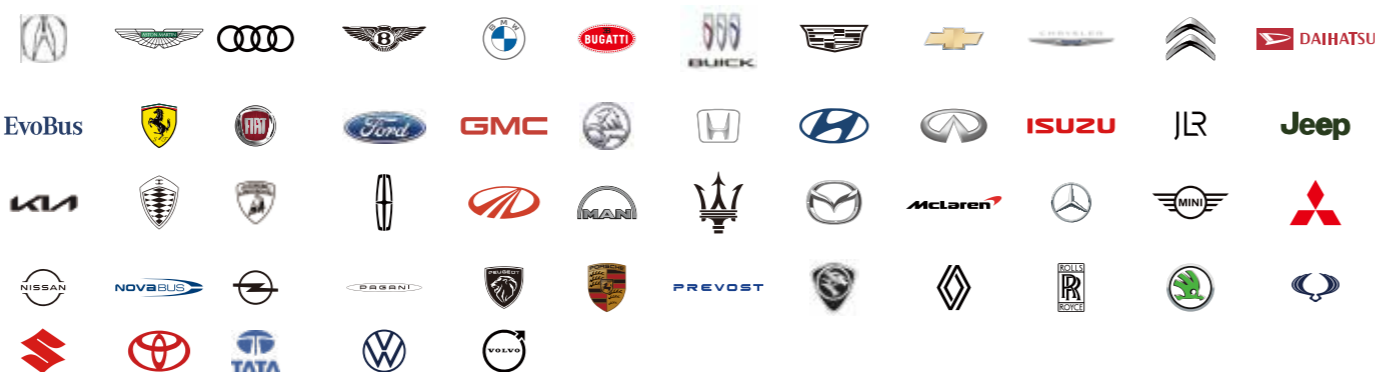
自主品牌 Chinese Brands



造车新势力 Start-Ups



外资品牌 International Brands



一级供应商 Tier-1 Suppliers



售后客户 Aftermarket



注：以客户英文名称首字母的先后顺序排列 (In alphabetical order of English name)

BH SENS

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保富电子介绍

P 13-14

- BH SENS AT A GLANCE & GLOBAL FOOTPRINT
保富电子简介 & 全球布局

P 15-16

- BH SENS MARKET HIGHLIGHTS
保富电子市场概览

P 17-18

- BH SENS SOLUTIONS HISTORY
保富电子产品线

P 19-20

- BH SENS SOLUTIONS MILESTONE
& CORE COMPONENTS ADVANTAGE
保富电子技术发展路线 & 核心部件优势

P 21-22

- BH SENS CAPABILITY
保富电子研发 & 试验能力

P 23-32

- BH SENS TPMS PRODUCT PORTFOLIO -OEM
保富电子产品介绍-OEM

P33-36

- BH SENS TPMS PRODUCT PORTFOLIO - IAM
保富电子产品介绍-后市场



BH SENS AT A GLANCE

保富电子简介



成立于**2019**年，由保隆集团和霍富集团
合资成立

Established in 2019 as JV of Baolong Group & Huf Group

保富电子专注于TPMS的研发、生产和销售超过20年，
产品的市场占有率位列全球前**3**

BH SENS has been focusing on the development, manufacturing,
and sales of TPMS for over twenty years. The market share ranks
among the top three globally

整合了保隆和霍富的全球TPMS业务，拥有超过**20**年
的专业经验

More than 20 years TPMS expertise combining global
TPMS activities of Baolong & Huf

在中国上海、中国武汉、德国布雷滕设有
3个研发中心

3 development centers in Shanghai, China, Wuhan, China,
Bretten, Germany

在中国，德国和北美设有
3个生产基地

Excellent products based on 3 production centers in China,
Germany and North America

2个总部
分别位于中国上海和德国布雷滕

2 HQs in Shanghai, China and Bretten, Germany

位于**20**多个国家的销售办事处可提供广泛的服务

Broad-spectrum of services from sales offices in more than
20 countries

BH SENS GLOBAL FOOTPRINT

保富电子全球布局

德国 / 海利根豪斯
Germany / Heiligenhaus

销售
客户服务
Sales
Customer Services

德国 / 布雷滕
Germany / Bretten

客户服务
研发中心
生产园区
Customer Services
R&D
Manufacturing

武汉·中国
China / Wuhan

销售
客户服务
研发中心
Sales
Customer Services
R&D

韩国 / 光明市
Gwangmyeong, South Korea

销售
客户应用技术支持
Sales
Application Engineering

上海 / 中国
China / Shanghai

总部
销售
研发中心
生产园区
Headquarter
Sales & Customer Services
R&D
Manufacturing

日本 / 东京
Tokyo, Japan

销售
客户应用技术支持
Sales
Application Engineering

美国 / 法明顿希尔斯
Farmington Hills, Michigan, US

销售
客户服务
客户应用技术支持
Sales
Customer Services
Application Engineering

美国 / 牛津(工厂建设中)
Oxford, North Carolina, US

销售
客户服务
生产园区
Sales
Customer Services
Manufacturing

- 亚洲地区客户（如上海通用/北京现代/起亚/丰田/吉利/蔚来/上汽等）由上海工厂供货
- 欧洲地区客户（如大众/宝马/戴姆勒/保时捷等）由布雷滕工厂供货
- 美国新工厂正在建设中，主要供应北美和南美客户（如通用汽车、FCA、沃尔沃等）

- Customers in Asian region is supplied by Shanghai plant, such as SGM/ BHM/ KIA/ TOYOTA/ GEELY/ NIO/ SAIC, etc.
- Customers in European region is supplied by Bretten plant, such as VW/ BMW/ Daimler/ Porsche, etc.
- The new USA plant is under construction, mainly for the supply to customers in North and South America, such as GM, FCA, Volvo, etc.



BH SENS MARKET HIGHLIGHTS

保富电子市场概览

全球销量领先的TPMS供应商

The world's leading TPMS supplier

100+ 家

深度合作的OEM客户

BH SENS has cooperated with 100+ OEM customers

500+ 种

车型开发经验

Experience in developing over 500 vehicle models

6400+ 万支

TPMS传感器2024年销量

Sales volume in 2024 is 64+ million pieces

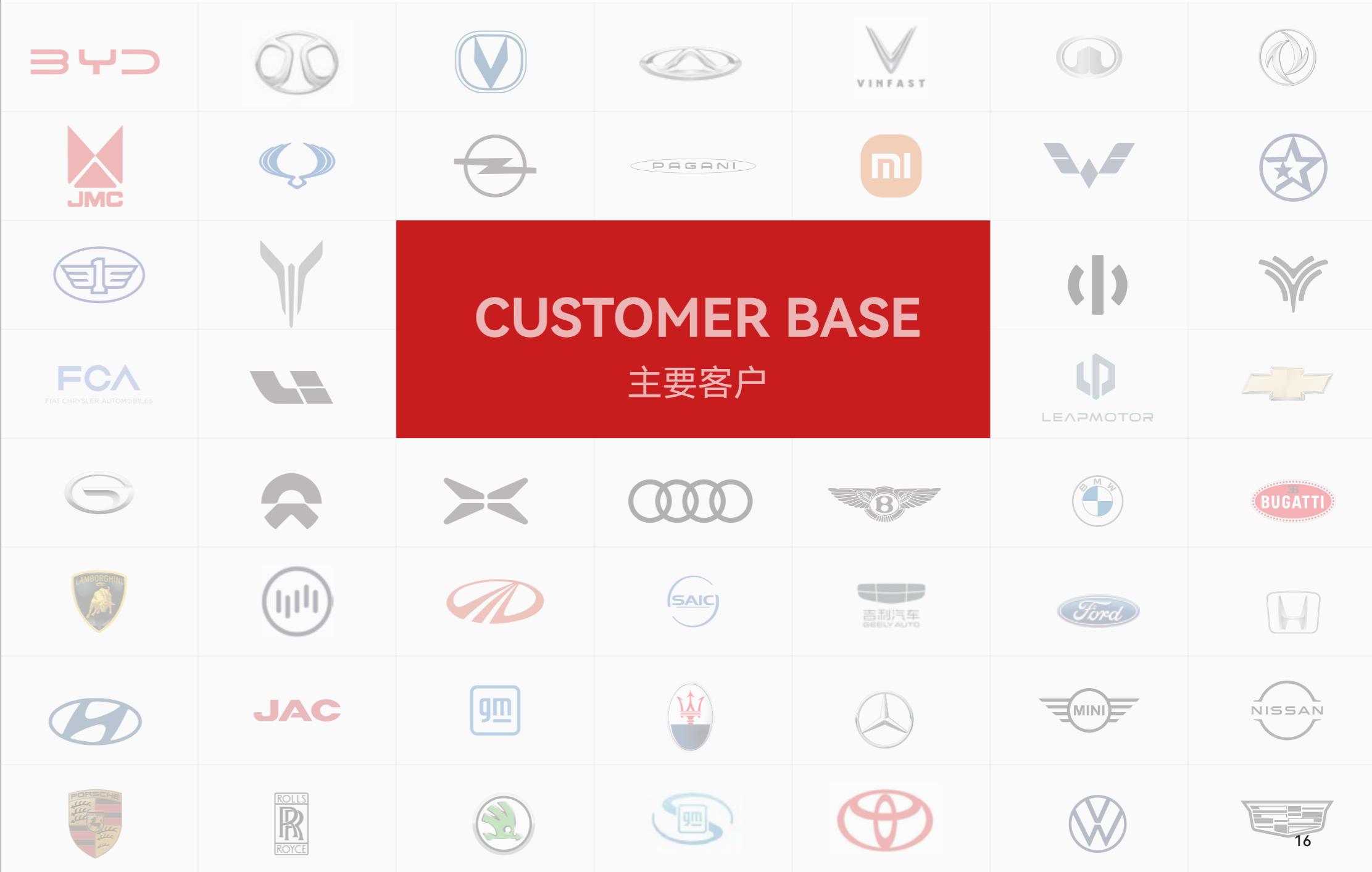
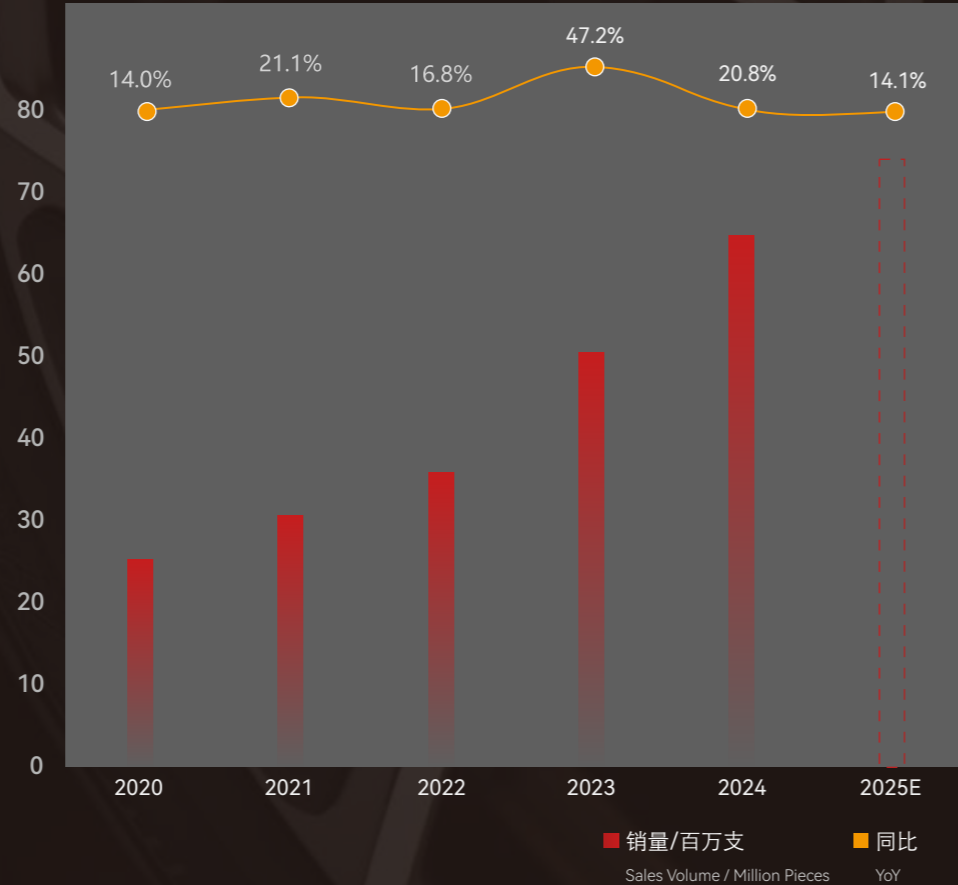
7300+ 万支

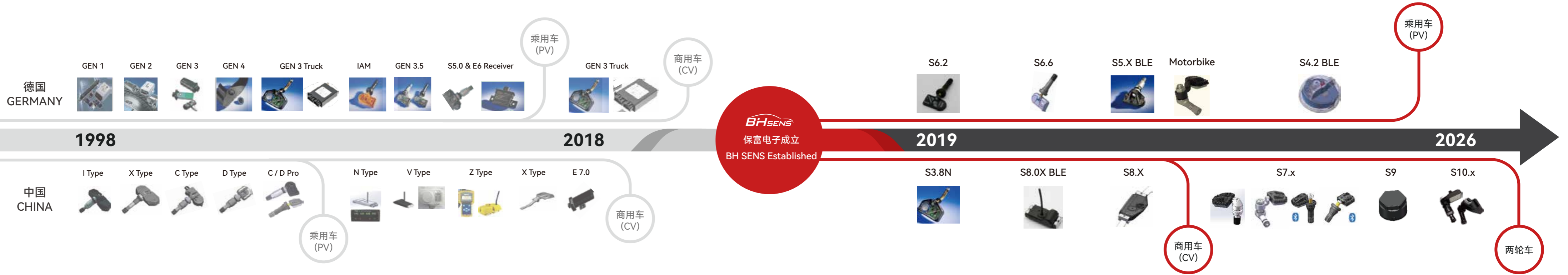
TPMS传感器2025年销量

Sales volume in 2025 is 72+ million pieces

2020-2025年保富电子TPMS全球销量 [百万支] 及同比

Global sales volume [million pieces] and YoY of BH SENS TPMS, 2020-2025





BH SENS SOLUTIONS MILESTONE

保富电子技术发展路线

2022

S 4.12 、 S 7.1D

- S5 type**
- 装在轮胎上的传感器
 - 负载估计功能
 - 胎面磨损功能

- S7.1D**
- 为摩托车提供解决方案
 - RF或BTX

- S5.6M**
- 双芯片低功耗蓝牙解决方案
 - 空中升级

- S4 type**
- Tire mounted sensor
 - Load Estimator function
 - Tread Wear function

- S7.1D**
- Solution for motorcycle
 - RF or BTX

- S5.6M**
- Dual chip BLE solution
 - OTA

New Truck TPMS System 新一代卡车用TPMS

- 新组件 (低功耗蓝牙) (ECU)**
- 低功耗蓝牙新一代ECU
 - 基于国产芯片解决方案的新一代ECU
- 新一代卡车用TPMS**
- 满足欧洲/中国/北美法规

- New components (BLE) (ECU)**
- New ECU of BLE
 - New ECU based on domestic chip solution
- New Truck TPMS System**
- Support EU/CN/NA regular

2023/2024

IAM 、 S 4.1X

- S4型**
- 安装在轮胎上的传感器
 - 低功耗蓝牙连接
 - 胎面磨损算法
 - 负载算法

- 用于后市场的新算法**
- 新一代软件算法
- 胎压监测系统服务系统**
- 手机应用程序

- S4 type**
- Tire mounted sensor
 - BLE connectivity
 - Tread Wear algorithm
 - Load algorithm

- New algorithm of IAM**
- New software algorithm
- TPMS Service system**
- App of mobile phone

2025

S 6.6x

- S6型**
- 基于低功耗蓝牙的单芯片版本
 - 新一代解决方案
 - 在线升级, 网络安全

- S6 type**
- BLE based Single chip version
 - Next generation solution
 - OTA, Cyber security

2026

S 4xx

- S4xx型**
- 用于胎面磨损和负载的新一代硬件和软件
 - 空中升级, 网络安全
 - 功能可扩展, 如路况监测等

- S4xx type**
- New hardware and software for tread wear and load
 - OTA, Cyber security
 - Extensible for new function, such as road status detection

BH SENS CORE COMPONENTS ADVANTAGE

保富电子核心部件优势

芯片 CHIP

- 1.在TPMS芯片领域处于领先地位
- 2.双轴加速度解决方案; 或单轴加速度解决方案
- 3.可提供RF和BLE的量产解决方案



电池 BATTERY

- 1.在TPMS电池领域处于领先水平
- 2.胎压电池布局早、且深入, 并且已经开始研究固态电池新技术



气门嘴 VALVE

- 1.全球领先的TPMS气门嘴制造商
- 2.具有丰富的气门嘴结构开发经验, 专有橡胶配方技术



- 1.The TPMS valve leading manufacturer worldwide, the major supplier of top TPMS manufacturer
- 2.Having rich experience in valve structure development, Proprietary rubber formulation technology



BH SENS CAPABILITY

保富电子研发 & 试验能力

V-MODEL

在汽车电子相关产品的研发中，已经实施了基于ASPICE和ISO26262的V-MODEL的开发
In the research and development of automotive electronics-related products, the development of V-MODEL based on ASPICE and ISO26262 has been implemented

电子实验室已获得CNAS认证，具备TPMS全套检测能力
Our laboratory has complete testing capabilities for TPMS, Electronic laboratory obtained CNAS certification



ASPICE 二级认证
Automotive SPICE Capability Level 2

CNAS 证书
China National Accreditaon Service for Conformity Assessment

ISO26262 功能安全证书
Functional Safety Management



BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

▶ 胎压传感器 S6.6Q

TPM Sensor S6.6Q

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于SUV、乘用车和轻型车辆 · 从2024年第四季度起开始批量生产 · TPMS sensor for application on SUV, Passenger Cars and Light Duty Vehicles · In series production from Q4/2024 	<ul style="list-style-type: none"> · 高度集成的TPMS芯片解决方案 (矽捷 SNP746) · 激光焊接盖板 · 设计紧凑, 重量轻 · 重心在轮辋外侧 · 在轴向位置用螺钉安装气门嘴 · APC自动定位功能, 支持其他基于ABS的自动定位 · OTA功能 · Highly integrated TPMS chip solution (Senasic SNP746) · Laser welded cover plate · Extremely compact & light weight · Center of gravity outside rim · Valve mounted with screw in axial position · APC autolocation feature and ability to support other ABS based autolocation features · OTA function 	尺寸[L/B/H] / Dimensions [L/B/H]	45 mm * 28 mm * 15 mm
		重量(不含气门嘴) / Weight (W/O Valve)	8.2 gr
		加速度传感器 / Acceleration Sensor	一轴 (Z) ; 1 Axis (Z)
		工作温度 / Operating Temperature	-40°C - +105°C (125 °C工作一小时)
		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa - 500 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	1 kPa
		精度 / Accuracy	5.0 kPa, @ 0 - 60°C, 100 - 500 kPa
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		射频发射 / RF Transmit	2.4GHz
		气门嘴类型 / Valve Type	橡胶; Rubber
		气门嘴角度 / Valve Angle	20°
		速度范围 / Speed Range	250 km/h up to 270 km/h
		自诊断功能 / Self Diagnostic Function	Yes

▶ 胎压传感器 S6.62

TPM Sensor S6.62

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于SUV、乘用车和轻型车辆 · 从2020年第四季度起开始批量生产 · TPMS sensor for application on SUV, Passenger Cars and Light Duty Vehicles · In series production from Q4/2020 	<ul style="list-style-type: none"> · 高度集成的TPMS芯片解决方案 (英飞凌 SP40+) · 激光焊接盖板 · 设计紧凑, 重量轻 · 重心在轮辋外侧 · 在轴向位置用螺钉安装气门嘴 · APC自动定位功能, 支持其他基于ABS的自动定位 · Highly integrated TPMS chip solution (IFX SP40+) · Laser welded cover plate · Extremely compact & light weight · Center of gravity outside rim · Valve mounted with screw in axial position · APC autolocation feature and ability to support other ABS based autolocation features 	尺寸[L/B/H] / Dimensions [L/B/H]	45 mm * 28 mm * 15 mm
		重量(不含气门嘴) / Weight (W/O Valve)	8.2 gr
		加速度传感器 / Acceleration Sensor	一轴 (Z) ; 1 Axis (Z)
		工作温度 / Operating Temperature	-40°C - +125°C
		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa - 500 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	0.5 kPa
		精度 / Accuracy	5.0 kPa, @ 0 - 60°C, 100 - 500 kPa
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		射频发射 / RF Transmit	315 MHz or 433 MHz
		气门嘴类型 / Valve Type	橡胶; Rubber
		气门嘴角度 / Valve Angle	20°
		速度范围 / Speed Range	250 km/h up to 270 km/h
		自诊断功能 / Self Diagnostic Function	Yes

BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

► 胎压传感器 S5.6M (低功耗蓝牙)

TPM Sensor S5.6M (BLE)

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于乘用车和轻型车辆的标准TPMS传感器 · 完整的低功耗蓝牙解决方案 	<ul style="list-style-type: none"> · 高度集成的TPMS芯片解决方案 (英飞凌 SP40+ 和 芯科BG22) · 封装设计 (有效防腐) · 耐机械和化学应力 · 设计紧凑, 重量轻 · APC自动定位功能, 支持其他基于ABS的自动定位 	尺寸[L/B/H] / Dimensions [L/B/H]	47 mm * 30mm * 19mm
		重量(不含气门嘴) / Weight (W/O Valve)	15.5 gr
<ul style="list-style-type: none"> · Standard TPMS sensor for application on Passenger Cars and Light Duty Vehicles · Full BLE solution 	<ul style="list-style-type: none"> · Highly integrated TPMS chip solution (IFX SP40+ and Silicon BG22) · Potted electronic (effective corrosion protection) · Extremely robust against mechanical and chemical stress · Compact design & Light weight · APC autolocation feature and ability to support other ABS based autolocation features 	加速度传感器 / Acceleration Sensor	单轴 (Z) ; 1 Axis (Z)
		工作温度 / Operating Temperature	-40°C - +125°C
		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa - 900 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	0.5 kPa
		精度 / Accuracy	5.0 kPa, @ 0 - 60°C, 100 - 500 kPa
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		射频发射 / RF Transmit	BLE 5.0
		气门嘴类型 / Value Type	可调角度金属嘴; Flexible Angle Metal Valve
		气门嘴角度 / Value Angle	0-36°
速度范围 / Speed Range	330 km/h		
自诊断功能 / Self Diagnostic Function	Yes		

► 胎压传感器 S4.12

TPM Sensor S4.12 (BLE)

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于乘用车和轻型车辆的轮胎式TPMS传感器 · 2018年7月起, 为米其林小批量供货 	<ul style="list-style-type: none"> · 高度集成的TPMS芯片解决方案 (英飞凌 SP40+) · 封装设计, 鲁棒性更强 · 速度: 270公里/小时 · 设计紧凑, 重量轻 · APC自动定位功能, 支持其他基于ABS的自动定位功能 · 适用于VDA标准的橡胶容器 · 得到两大轮胎制造商批准 	尺寸[L/B/H] / Dimensions [L/B/H]	24.6 mm / 15.4 mm
		重量(不含橡胶支架) / Weight (W/O Rubber Holder)	8.5 gr
<ul style="list-style-type: none"> · Tire mounted TPMS sensor for application on Passenger Cars and Light Duty Vehicles · Small series production with Michelin (07/2018) 	<ul style="list-style-type: none"> · Highly integrated TPMS chip solution (IFX SP40+) · Potted design for extended robustness · 270 km/h speed rate · Extremely compact & light weight · APC autolocation feature and ability to support other ABS based autolocation features · Fits to rubber container according VDA standard · Approved by two major tire manufacturers 	加速度传感器 / Acceleration Sensor	单轴 (Z) ; 1 Axis (Z)
		工作温度 / Operating Temperature	-40°C - +125°C
		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa - 900 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	0.5 kPa
		精度 / Accuracy	5.0 kPa, @ 0 - 60°C, 100 - 500 kPa
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		射频发射 / RF Transmit	315 MHz or 433 MHz
		轮胎附件 / Tire Attachment	According VDA Standard
		速度范围 / Speed Range	270 km/h
自诊断功能 / Self Diagnostic Function	Yes		

BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

► 工程车胎压传感器 S8.21

TPM Sensor S8.21 (OTR)

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> ·用于工程车（即采矿车辆轮胎） ·自2014年起面向售后市场批量生产 ·For OTR (i.e. mining vehicle tyres) ·In series production for aftermarket since 2014 	<ul style="list-style-type: none"> ·独特的设计，能耐受腐蚀性轮胎冷却剂 ·专用气缸压力传感器 ·用于巨型轮胎的独特磁铁安装方法 ·可选AMTEK 4英寸显示屏 ·Unique design to work with corrosion tire coolants ·Special cylinder pressure sensor ·Unique magnet installation method for giant tires ·Optional AMTEK 4 inch display 	尺寸[L/B/H] / Dimensions [L/B/H]	83 mm * 50 mm * 48 (+55) mm
		重量(不含气门嘴) / Weight (W/O Valve)	276 gr
		加速度传感器 / Acceleration Sensor	NXP FXTH87EH118T1
		工作温度 / Operating Temperature	-40°C - +85°C
		电池使用寿命 / Battery Service Life	通常5年; typ. 5 Years
		压力范围 / Pressure Range	100 kPa -1500 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	5.5kpa/bit
		精度 / Accuracy	±20 kPa, @ 0 - 65°C
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		射频发射 / RF Transmit	433 MHz
		气门嘴类型 / Valve Type	NA
		气门嘴角度 / Valve Angle	NA
		速度范围 / Speed Range	60KM/h Extreme Duty Tyre/超重型轮胎
		自诊断功能 / Self Diagnostic Function	Yes

► S10.x – 灌胶传感器

S10.x – Potted sensor

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> ·用于摩托车轮辋安装传感器的TPMS传感器 ·TPMS sensor for application on motorcycles with rim mounted sensors 	<ul style="list-style-type: none"> ·可以承受较高车速 ·传感器具有集成式胎压芯片方案(ST NTM88) ·设计紧凑、重量轻 ·支持蓝牙或射频通信 ·灌胶设计 ·安装方便，螺母沿着嘴杆中心直线方向，直接拧进去固定 ·High speed rate ·Sensor with integrated TPMS chip solution(ST NTM88) ·Compact design + Light weight ·Support BLE or RF communication ·Potted design ·Valve mounted with screw in axial position 	尺寸[L/B/H] / Dimensions [L/B/H]	43.2 mm * 23.3 mm * 23.2 mm
		重量(不含气门嘴) / Weight (W/O Valve)	13g
		加速度传感器 / Acceleration Sensor	2 Axis(XZ)
		工作温度 / Operating Temperature	-40°C - +120°C
		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa - 900 kPa (abs.绝对)
		工作频率 / RF Transmit	433 MHz or 2.4GHz
		低频接收 / LF Receive	支持低频工具; Tool LF In Service
		嘴杆类型 / Value Type	金属嘴杆，适配孔径 8.3mm& 11.3mm; Metal 8.3mm& 11.3mm,bolt;
		防护等级 / Protection Class	IP6K9K
		电流消耗 / Current Consumption	静态电流 ≤1µA @ 23°C; Quiescent Current≤1µA @ 23°C
		芯片 / Self Diagnostic Function	RF芯片: ST NTM88; BLE芯片: In preparation

BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

▶ 蓝牙传感器 - 灌胶传感器

BLE Sensor - Potted sensor

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications																				
 <p>· 电动车专用标准胎压传感器</p> <p>· Standard TPMS sensor for application on electronic bicycle</p>	<ul style="list-style-type: none"> · 传感器具有集成式胎压芯片方案(SNP746) · 设计紧凑、重量轻 · 支持蓝牙通信 · 灌胶设计 · 安装方便、操作简便 <ul style="list-style-type: none"> · Sensor with integrated TPMS chip solution(SNP746) · Compact design + Light weight · Support BLE communication · Potted design · Valve mounted with screw in axial position 	<table border="1"> <tr> <td>加速度传感器 / Acceleration Sensor</td> <td>2 Axis(XZ)</td> </tr> <tr> <td>工作温度 / Operating Temperature</td> <td>-40°C - +80°C</td> </tr> <tr> <td>电池使用寿命 / Battery Service Life</td> <td>通常4年; typ. 4 Years</td> </tr> <tr> <td>压力范围 / Pressure Range</td> <td>100 kPa - 900 kPa (abs.绝对)</td> </tr> <tr> <td>压力分辨率 / Pressure resolution</td> <td>1 kPa</td> </tr> <tr> <td>工作频率/ RF Transmit</td> <td>2.4GHz</td> </tr> <tr> <td>低频接收 / LF Receive</td> <td>支持低频工具; Tool LF In Service</td> </tr> <tr> <td>嘴杆类型/ Value Type</td> <td>橡胶嘴; Rubber</td> </tr> <tr> <td>防护等级 / Protection Class</td> <td>IP6K9K</td> </tr> <tr> <td>芯片 / Self Diagnostic Function</td> <td>SNP746</td> </tr> </table>	加速度传感器 / Acceleration Sensor	2 Axis(XZ)	工作温度 / Operating Temperature	-40°C - +80°C	电池使用寿命 / Battery Service Life	通常4年; typ. 4 Years	压力范围 / Pressure Range	100 kPa - 900 kPa (abs.绝对)	压力分辨率 / Pressure resolution	1 kPa	工作频率/ RF Transmit	2.4GHz	低频接收 / LF Receive	支持低频工具; Tool LF In Service	嘴杆类型/ Value Type	橡胶嘴; Rubber	防护等级 / Protection Class	IP6K9K	芯片 / Self Diagnostic Function	SNP746
加速度传感器 / Acceleration Sensor	2 Axis(XZ)																					
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嘴杆类型/ Value Type	橡胶嘴; Rubber																					
防护等级 / Protection Class	IP6K9K																					
芯片 / Self Diagnostic Function	SNP746																					

▶ S9.x - 外置式胎压传感器

S9.x - Cap sensor

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications																								
 <p>· 适用于 SUV、乘用车、轻型商用车、摩托车、电动自行车及挂车的胎压监测传感器</p> <p>· 2020 年第四季度起正式量产</p> <p>· TPMS sensor for application on SUV, Passenger Cars and Light Duty Vehicles, motorcycles, electric bicycles and trailers</p> <p>· In series production from Q4/2020, for 70Mai</p>	<ul style="list-style-type: none"> · 高度集成式胎压集成芯片方案 (IFX SNP736) · 外置式TPMS · 可直接拧在轮胎气门嘴顶端 · 电池可以更换 <ul style="list-style-type: none"> · Highly integrated TPMS chip solution (IFXSNP736) · Cap TPMS · It can be installed directly on the cap of the valve. · Battery can be replaced 	<table border="1"> <tr> <td>尺寸[L/B/H] / Dimensions [L/B/H]</td> <td>23 mm * 23 mm * 16.8 mm</td> </tr> <tr> <td>重量(不含气门嘴) / Weight (W/O Value)</td> <td>11.6g</td> </tr> <tr> <td>加速度传感器 / Acceleration Sensor</td> <td>2Axis (X/Z)</td> </tr> <tr> <td>工作温度 / Operating Temperature</td> <td>-20°C - +80°C</td> </tr> <tr> <td>电池使用寿命 / Battery Service Life</td> <td>通常5年; typ. 5 Years</td> </tr> <tr> <td>压力范围 / Pressure Range</td> <td>100 kPa - 500 kPa (abs.绝对)</td> </tr> <tr> <td>压力分辨率 / Pressure resolution</td> <td>2.75kPa</td> </tr> <tr> <td>压力精度 / Accuracy</td> <td>5.0 kPa, @ 0-60°C, 100-500 kPa</td> </tr> <tr> <td>工作频率/ RF Transmit</td> <td>2.4GHz</td> </tr> <tr> <td>嘴杆类型/ Value Type</td> <td>外置式TPMS</td> </tr> <tr> <td>自诊断功能 / Self Diagnostic Function</td> <td>Yes</td> </tr> <tr> <td>芯片 / Self Diagnostic Function</td> <td>BTX: SNP736 RF: 设计中 / In preparation BLE: 设计中 / In preparation</td> </tr> </table>	尺寸[L/B/H] / Dimensions [L/B/H]	23 mm * 23 mm * 16.8 mm	重量(不含气门嘴) / Weight (W/O Value)	11.6g	加速度传感器 / Acceleration Sensor	2Axis (X/Z)	工作温度 / Operating Temperature	-20°C - +80°C	电池使用寿命 / Battery Service Life	通常5年; typ. 5 Years	压力范围 / Pressure Range	100 kPa - 500 kPa (abs.绝对)	压力分辨率 / Pressure resolution	2.75kPa	压力精度 / Accuracy	5.0 kPa, @ 0-60°C, 100-500 kPa	工作频率/ RF Transmit	2.4GHz	嘴杆类型/ Value Type	外置式TPMS	自诊断功能 / Self Diagnostic Function	Yes	芯片 / Self Diagnostic Function	BTX: SNP736 RF: 设计中 / In preparation BLE: 设计中 / In preparation
尺寸[L/B/H] / Dimensions [L/B/H]	23 mm * 23 mm * 16.8 mm																									
重量(不含气门嘴) / Weight (W/O Value)	11.6g																									
加速度传感器 / Acceleration Sensor	2Axis (X/Z)																									
工作温度 / Operating Temperature	-20°C - +80°C																									
电池使用寿命 / Battery Service Life	通常5年; typ. 5 Years																									
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工作频率/ RF Transmit	2.4GHz																									
嘴杆类型/ Value Type	外置式TPMS																									
自诊断功能 / Self Diagnostic Function	Yes																									
芯片 / Self Diagnostic Function	BTX: SNP736 RF: 设计中 / In preparation BLE: 设计中 / In preparation																									

BHSENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍-OEM

▶ TPMS 控制器 E6.1

TPMS ECU E6.1

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications																								
 <ul style="list-style-type: none"> ·用于乘用车和轻型车辆的标准TPMS控制器 ·支持保富电子 APC 自动定位算法 ·已量产于大众/本田保时捷 ·Standard TPMS ECU for application on Passenger Cars and Light Duty Vehicles ·Supports BH SENS APC autolocation algorithm ·In series production with VW/ Porsche Honda 	<ul style="list-style-type: none"> ·支持 CAN-FD ·耐机械和化学应力 ·控制器带有集成射频接收器 ·设计紧凑, 重量轻 ·APC 自动定位功能 ·Supports CAN-FD ·Extremely robust against mechanical and chemical stress ·ECU with integrated RF receiver ·Compact design + Light weight ·APC autolocation feature 	<table border="1"> <tr> <td>尺寸[L/B/H] / Dimensions [L/B/H]</td> <td>67 mm * 90 mm * 27 mm</td> </tr> <tr> <td>重量(不含气门嘴) / Weight (W/O Valve)</td> <td>40 gr</td> </tr> <tr> <td>工作温度 / Operating Temperature</td> <td>-40°C - +105°C</td> </tr> <tr> <td>工作压力 / Operating Pressure</td> <td>6 - 16 V, Overvoltage max 42V; 最大过压42V</td> </tr> <tr> <td>射频接收 / RF Reception</td> <td>315MHz or 433 MHz</td> </tr> <tr> <td>微控制器 / Microcontroller</td> <td>32Bit NXP</td> </tr> <tr> <td>自诊断功能 / Self Diagnostic Function</td> <td>Yes</td> </tr> <tr> <td>CAN总线 / CAN Bus</td> <td>FlexData (500 kB); 弹性数据 (500 KB)</td> </tr> <tr> <td>连接器类型 / Connector Type</td> <td>AMP MQS 4 pin, Coding A</td> </tr> <tr> <td>防护等级 / Protection Class</td> <td>ISO20653 / IP6K6K IPX7 IPX9K</td> </tr> <tr> <td>电流消耗 / Current Consumption</td> <td>Quiescent Current (静态电流) < 40µA @ 23°C</td> </tr> <tr> <td>软件合规性 / SW Compliance</td> <td>Autosar</td> </tr> </table>	尺寸[L/B/H] / Dimensions [L/B/H]	67 mm * 90 mm * 27 mm	重量(不含气门嘴) / Weight (W/O Valve)	40 gr	工作温度 / Operating Temperature	-40°C - +105°C	工作压力 / Operating Pressure	6 - 16 V, Overvoltage max 42V; 最大过压42V	射频接收 / RF Reception	315MHz or 433 MHz	微控制器 / Microcontroller	32Bit NXP	自诊断功能 / Self Diagnostic Function	Yes	CAN总线 / CAN Bus	FlexData (500 kB); 弹性数据 (500 KB)	连接器类型 / Connector Type	AMP MQS 4 pin, Coding A	防护等级 / Protection Class	ISO20653 / IP6K6K IPX7 IPX9K	电流消耗 / Current Consumption	Quiescent Current (静态电流) < 40µA @ 23°C	软件合规性 / SW Compliance	Autosar
尺寸[L/B/H] / Dimensions [L/B/H]	67 mm * 90 mm * 27 mm																									
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CAN总线 / CAN Bus	FlexData (500 kB); 弹性数据 (500 KB)																									
连接器类型 / Connector Type	AMP MQS 4 pin, Coding A																									
防护等级 / Protection Class	ISO20653 / IP6K6K IPX7 IPX9K																									
电流消耗 / Current Consumption	Quiescent Current (静态电流) < 40µA @ 23°C																									
软件合规性 / SW Compliance	Autosar																									



BHSENS TPMS PRODUCT PORTFOLIO - IAM

保富电子产品介绍-后市场

▶ 胎压传感器 S5.0G

TPM Sensor S5.0G

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications
 <ul style="list-style-type: none"> ·用于乘用车和轻型车辆售后市场或经销商 ·自2018年7月起批量生产 ·年产量750万支 ·TPMS sensor for aftermarket or dealership applications on Passenger Cars and Light Duty Vehicles ·In series production since 07/2018 ·Annual production capacity 7.5 Mio 	<ul style="list-style-type: none"> ·具有100多种协议的通用传感器 ·高度集成的2轴TPMS芯片解决方案 (恩智浦 7x7 Lausitz-E) ·封装设计 (有效防腐) ·旋转方向监测 ·支持APC系统和其他ABS相关系统 ·Universal sensor with >100+ different protocols ·Highly integrated 2-Axis TPMS chip solution (NXP 7x7 Lausitz-E) ·Potted electronic (effective corrosion protection) ·Rotation direction detection (RDD) ·Supports APC systems and other ABS correlation systems 	尺寸[L/B/H] / Dimensions [L/B/H] 47 mm * 30 mm * 19 mm 重量(不含气门嘴) / Weight (W/O Valve) 15.5 gr 加速度传感器 / Acceleration Sensor 两轴 (X,Z) ; 2 Axis (XZ) 外部存储器 / External Memory 8MBit SPI 闪存; 8MBit SPI Flash Memory 工作温度 / Operating Temperature -40°C - +125°C 电池使用寿命 / Battery Service Life 通常6年; typ. 6 Years 压力范围 / Pressure Range 100 kPa - 900 kPa (abs.绝对) 压力分辨率 / Pressure Resolution 2.5 kPa(Upon OEM Protocol/按主机厂协议) 精度 / Accuracy 10.0 kPa, @ 0 - 70°C, 100 - 500 kPa(Upon OEM Protocol) 低频接收 / LF Receive 支持低频工具, Tool LF In Service 射频发射 / RF Transmit 315 MHz and 433 MHz 气门嘴类型 / Valve Type 可调角度金属嘴; Flexible Angle Metal Valve 气门嘴角度 / Valve Angle 0 - 36 ° 速度范围 / Speed Range 330 km/h 自诊断功能 / Self Diagnostic Function Yes
		尺寸[L/B/H] / Dimensions [L/B/H] 47 mm * 30 mm * 19 mm 重量(不含气门嘴) / Weight (W/O Valve) 15.5 gr 加速度传感器 / Acceleration Sensor 两轴 (X,Z) ; 2 Axis (XZ) 外部存储器 / External Memory 8MBit SPI 闪存; 8MBit SPI Flash Memory 工作温度 / Operating Temperature -40°C - +125°C 电池使用寿命 / Battery Service Life 通常6年; typ. 6 Years 压力范围 / Pressure Range 100 kPa - 900 kPa (abs.绝对) 压力分辨率 / Pressure Resolution 2.5 kPa(Upon OEM Protocol/按主机厂协议) 精度 / Accuracy 10.0 kPa, @ 0 - 70°C, 100 - 500 kPa(Upon OEM Protocol) 低频接收 / LF Receive 支持低频工具, Tool LF In Service 射频发射 / RF Transmit 315 MHz and 433 MHz 气门嘴类型 / Valve Type 可调角度金属嘴; Flexible Angle Metal Valve 气门嘴角度 / Valve Angle 0 - 36 ° 速度范围 / Speed Range 330 km/h 自诊断功能 / Self Diagnostic Function Yes

▶ 胎压传感器 S5.25M

TPM Sensor S5.25M

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications
 <ul style="list-style-type: none"> ·用于乘用车和轻型车辆的标准TPMS传感器 ·自2018年7月起批量生产 ·年产量750万支 ·Standard TPMS sensor for application on Passenger Cars and Light Duty Vehicles ·In series production since 07/2018 ·Annual production capacity 7.5 Mio 	<ul style="list-style-type: none"> ·在轴向位置用螺钉安装的气门嘴 ·高度集成的2轴TPMS芯片解决方案 (恩智浦 7x7 Lausitz-E) ·封装设计 (有效防腐) ·耐机械和化学应力 ·设计紧凑, 重量轻 ·APC自动定位功能, 支持其他基于ABS的自动定位功能 ·Valve mounted with screw in axial position ·Highly integrated 2-Axis TPMS chip solution (NXP 7x7 Lausitz-E) ·Potted electronic (effective corrosion protection) ·Extremely robust against mechanical and chemical stress ·Compact design & Light weight ·APC autolocation feature and ability to support other ABS based autolocation features 	尺寸[L/B/H] / Dimensions [L/B/H] 48 mm * 26 mm * 15 mm 重量(不含气门嘴) / Weight (W/O Valve) 14 gr 加速度传感器 / Acceleration Sensor 两轴 (XZ) ; 2 Axis (XZ) 外部存储器 / External Memory 4MBit SPI 闪存; 4MBit SPI Flash Memory 工作温度 / Operating Temperature -40°C - +125°C 电池使用寿命 / Battery Service Life 通常6年; typ. 6 Years 压力范围 / Pressure Range 100 kPa - 900 kPa (abs.绝对) 压力分辨率 / Pressure Resolution 2.5 kPa 精度 / Accuracy 10.0 kPa, @ 0 - 70°C, 100..500 kPa 低频接收 / LF Receive 支持低频工具, Tool LF In Service 射频发射 / RF Transmit 315 MHz or 433 MHz 气门嘴类型 / Valve Type 金属; Metal 气门嘴角度 / Valve Angle 10 ° 速度范围 / Speed Range 250 km/h 自诊断功能 / Self Diagnostic Function Yes
		尺寸[L/B/H] / Dimensions [L/B/H] 48 mm * 26 mm * 15 mm 重量(不含气门嘴) / Weight (W/O Valve) 14 gr 加速度传感器 / Acceleration Sensor 两轴 (XZ) ; 2 Axis (XZ) 外部存储器 / External Memory 4MBit SPI 闪存; 4MBit SPI Flash Memory 工作温度 / Operating Temperature -40°C - +125°C 电池使用寿命 / Battery Service Life 通常6年; typ. 6 Years 压力范围 / Pressure Range 100 kPa - 900 kPa (abs.绝对) 压力分辨率 / Pressure Resolution 2.5 kPa 精度 / Accuracy 10.0 kPa, @ 0 - 70°C, 100..500 kPa 低频接收 / LF Receive 支持低频工具, Tool LF In Service 射频发射 / RF Transmit 315 MHz or 433 MHz 气门嘴类型 / Valve Type 金属; Metal 气门嘴角度 / Valve Angle 10 ° 速度范围 / Speed Range 250 km/h 自诊断功能 / Self Diagnostic Function Yes

BHSENS TPMS PRODUCT PORTFOLIO - IAM

保富电子产品介绍-后市场

▶ 胎压传感器 S6.7B

TPM Sensor S6.7B

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于乘用车和轻型车辆售后市场或经销商 · 预计2025年4月起批量生产 · TPMS sensor for aftermarket or dealership applications on Passenger Cars and Light Duty Vehicles · In series production since 05/2025 	<ul style="list-style-type: none"> · 具有300多种协议的通用传感器 · 高度集成的2轴TPMS芯片解决方案 (恩智浦 4x4 NTM88) · 封装设计 (有效防腐) · 旋转方向监测 · 支持APC系统和其他ABS相关系统 · Universal sensor with >300+ different protocols · Highly integrated 2-Axis TPMS chip solution (NXP 4x4 NTM88) · Potted electronic (effective corrosion protection) · Rotation direction detection (RDD) · Supports APC systems and other ABS correlation systems 	尺寸[L/B/H] / Dimensions [L/B/H]	44 mm * 25 mm * 14 mm
		重量(不含气门嘴) / Weight (W/O Valve)	21.5 gr
		加速度传感器 / Acceleration Sensor	两轴 (XZ) ; 2 Axis (XZ)
		工作温度 / Operating Temperature	-40°C - +125°C
		电池使用寿命 / Battery Service Life	通常6年; typ. 6 Years
		压力范围 / Pressure Range	100 kPa - 930 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	2.5 kPa(Upon OEM Protocol/按主机厂协议)
		精度 / Accuracy	10.0 kPa, @ 0 - 70°C, 100 - 500 kPa(Upon OEM Protocol)
		低频接收 / LF Receive	支持低频工具, Tool LF In Service
		射频发射 / RF Transmit	315 MHz or 433 MHz
		气门嘴类型 / Valve Type	金属; Metal
		气门嘴角度 / Valve Angle	20 °
		速度范围 / Speed Range	250 km/h
		自诊断功能 / Self Diagnostic Function	Yes

▶ 胎压传感器 S6.7H

TPM Sensor S6.7H

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
 <ul style="list-style-type: none"> · 用于乘用车和轻型车辆的标准TPMS传感器 · 预计2025年5月起批量生产 · Standard TPMS sensor for application on Passenger Cars and Light Duty Vehicles · In series production since 05/2025 	<ul style="list-style-type: none"> · 具有300多种协议的通用传感器 · 高度集成的2轴TPMS芯片解决方案 (瑞捷 SNP739) · 封装设计 (有效防腐) · 耐机械和化学应力 · 设计紧凑, 重量轻 · APC自动定位功能, 支持其他基于ABS的自动定位功能 · Universal sensor with >300+ different protocols · Highly integrated 2-Axis TPMS chip solution (SNP 739) · Potted electronic (effective corrosion protection) · Extremely robust against mechanical and chemical stress · Compact design & Light weight · APC autolocation feature and ability to support other ABS based autolocation features 	尺寸[L/B/H] / Dimensions [L/B/H]	44 mm * 25 mm * 14 mm
		重量(不含气门嘴) / Weight (W/O Valve)	21.5 gr
		加速度传感器 / Acceleration Sensor	两轴 (XZ) ; 2 Axis (XZ)
		工作温度 / Operating Temperature	-40°C - +125°C
		电池使用寿命 / Battery Service Life	通常6年; typ. 6 Years
		压力范围 / Pressure Range	100 kPa - 900 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	2.5 kPa
		精度 / Accuracy	10.0 kPa, @ 0 - 70°C, 100.500 kPa
		低频接收 / LF Receive	支持低频工具, Tool LF In Service
		射频发射 / RF Transmit	315 MHz or 433 MHz
		气门嘴类型 / Valve Type	金属; Metal
		气门嘴角度 / Valve Angle	20 °
		速度范围 / Speed Range	250 km/h
		自诊断功能 / Self Diagnostic Function	Yes