



THE PARENT COMPANY INTRODUCTION BAOLONG AUTOMOTIVE

保富电子母公司-保隆科技简介

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BAOLONG

ABOUT BAOLONG AUTOMOTIVE

保隆科技简介

保隆科技于1997年5月在松江创立,于2017年在上海证券交易所上市(股票代码: 603197)。公司总部位于上海市松江区,在上海松江、上海浦东、安徽宁国、安徽合肥、湖北武汉和美国、德国、波兰、匈牙利、奥地利等地有生产基地以及研发和销售分支机构,全球员工超过6600人。

保隆科技立足汽车制造业,向汽车智能化与轻量化方向发展。公司产品包括气门嘴、平衡块、智能空气悬架等橡胶金属部件;排气系统管件、汽车结构件和EGR管件等汽车金属管件;汽车胎压监测系统、汽车传感器、基于摄像头和毫米波雷达等技术的汽车驾驶辅助系统等汽车电子产品。

保隆科技是宝马、奔驰、奥迪、大众、丰田、通用、一汽、东风、长安、长城、奇瑞、吉利、比亚迪、蔚来、小鹏、理想、零跑等知名 汽车厂的合格供应商。公司以"让更多人受益于汽车科技的发展"为愿景,以"掌握领先技术,提升汽车部件"为使命,在汽车零部件领域作 纵深发展。

Shanghai Baolong Automotive Corporation (hereinafter referred to as "Baolong") was founded in 1997, and is listed on Shanghai Stock Exchange (603197.SH). Headquartered in Songjiang District, Shanghai, Baolong has manufacturing sites, R&D and sales centers in China (Songjiang District and Pudong district, Shanghai; Ningguo and Hefei, Anhui Province; Wuhan, Hubei Province), the United States, Germany, Poland, Hungary, Austria, etc., and 6.600 staff around the world.

Baolong has implemented the "Intelligent & Lightweight" strategy to illustrate its continuous innovation in automotive solutions. Its products include rubber & metal parts such as tire valves, wheel weights, ECAS; metal tubing such as exhaust pipes, structural parts and EGR pipes; and automotive electronics featured by TPMS, sensors, and drive assistance systems based on cameras and millimeter—wave radars.

Adhering to the vision of "letting more people benefit from the development of automotive technology", and taking "mastering advanced technology to improve automotive components" as its mission, Baolong is a qualified supplier of BMW, Mercedes Benz, Audi, Volkswagen, Toyota, General Motors, FAW, Dongfeng, Changan, Great Wall, Chery, Geely, BYD, NIO, Xpeng, Ideal, Leapmotor, etc.

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1997年5月20日 创立于上海松江

Founded in Songjiang, Shanghai on May 20, 1997

6600+

截至2023年12月31日 全球员工总数超过6600人

More than 6,600 employees globally as of Dec. 31, 2023

110十亿元

股票代码: 603197.SH, 2023年日均市值110.2亿元人民币 2017年5月19日在上海证券交易所上市 2021年4月30日完成非公开发行A股股票

Stock code: 603197.SH

Daily average market value of 2023: 11.02 billion (RMB) Listed on Shanghai Stock Exchange on May 19, 2017 and completed non-public A-share offering on April 30, 2021 59

2023年全球合并营业 收入58.97亿元人民币

Consolidated revenue globally of 2023: 5.89 billion (RMB)

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在中国、北美、欧洲设有9个生产园区

Nine manufacturing parks in China, North America and Europe

向全球50多个国家和地区的 2000多个客户提供产品和服务

Supplies to more than 2,000 customers in over 50 countries and regions

BUSINESS UNITS

业务单元

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

汽车轻量化业务单元 Automotive Light Weight

Busbar

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

智能驾驶业务单元 Intelligent Driving Solutions

Solutions

- 摄像头 - 毫米波雷达

Cameras Millimeter-Wave Radars

- 超声波雷达 Ultrasonic Radars

- 解决方案

智能空气悬架业务单元 Electronically Controlled Air Suspension

- 空气悬架系统

- 空气弹簧

- 空气供给单元

System Integration / Suspension

Air Suspension Systems

Controller

Air Springs

Air Supply Units

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

· 轮胎压力监测系统 TPMS

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

- 汽车后市场 - 汽保设备与工具 - 自动化产线

Automotive Aftermarket Maintenance Equipment & Tools

Automated Production Lines

汽车金属管件业务单元 Automotive Metal Tubing

Exhaust Mounted Trims

Metal Stamped Parts

Aluminum Exteriors

- 排气系统管件 - 铝外饰件

> - EGR管件 EGR Pipes

金属冲压件

- 压力传感器

传感器业务单元

Automotive Sensors

Pressure 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



MILESTONES

发展历程

研制排气系统管件 Developed exhaust pipes

公司成立 Baolong founded

研制轮胎气门嘴 Developed tire valves

总部园区成立 Songjiang (China) factory

Developed wheel weights

研制TPMS Developed TPMS

收购美国DILL公司 Acquired Dill Air Controls Products, LLC

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宁国园区成立 Ningguo (China) factory

研制汽车压力传感器 Developed pressure sensors

研制汽车结构件、光学传感器、空气弹簧 Developed structural parts, optical sensors, and air springs

研制视觉系统、毫米波雷达 Developed cameras and millimeter -wave radars

武汉园区成立 Set up R&D center in Wuhan, China

研制电控减振器 Developed air spring dampers

2010

上海证券交易所上市

合肥园区成立; 收购德国PEX和 TESONA; 研制ECAS Acquired PEX, TESONA;

保富电子正式运营:保隆沙士基达成立: 收购奥地利MMS BH SENS established: BSHF founded

与领目科技合资; 武汉园区新办 公楼启用; 量产双目视觉系统

SAP上线:空气悬架新品量产: 合肥园区启用 Introduced ERP system from SAP; Batch production of air suspension

2020

收购龙感科技;与苏州优达斯合资;与元橡科技合资; 全铝空悬储气罐量产下线; 成立迈艾斯上海

for air suspension; MMS (Shanghai) founded

欧洲研发制造中心正式开园; 安徽宁国两个新厂区启用&项目投产; 悬架控制器在合肥园区量产下线

BAOLONG

美国 法明顿希尔斯

_ _ _ _ 美国 牛津 📦

Oxford, NC,US

Farmington Hills, MI,US

GLOBAL FOOTPRINT

全球布局

当客户选择保隆科技作为汽车产品和解决方案的供应商时,他们能够从保隆科技遍布全球的网点中获得广泛的服务。 在全球范围内,我们保隆科技敬业的员工始终在客户的身边。保隆科技的这些人才,通晓汽车行业,并了解客户的具体需求,能够随时为客户提供 各种支持。

When customers choose Baolong as a supplier of automotive products and solutions, they can be assured of abroad spectrum of services from Baolong's global network.

Globally present, the access to Baolong's dedicated employees is never far away. Baolong's talents who all know the automotive industry and understand customers' specific demands and needs are always ready to support customers.

公司总部 Headquarter 研发中心 R&D Centers 生产园区Manufacturing Parks

销售分支机构 Sales Branches





BAOLONG

FLEX N GATE

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 most innovative and game-changing products and solutions to improve safety, efficiency and comfort.

自主品牌

Chinese Brands











































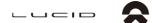
造车新势力 Start-Ups































ADIENT • APTIV







PACIFIC



HOWMET





MOBIS



KATCON

SANKE







SEJONG

CATL

FLEXTRONICS Network Services





外资品牌 International Brands

















PREVOST





















一级供应商 Tier-1 Suppliers

-Accuride

FORVIA

MAGNA

















EVE。 亿纬键能

10WER

中南车轮









MICHELIÑ



IT JUST MAKES SENS

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BH SENS AT A GLANCE

保富电子简介



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

整合了保隆和霍富的全球TPMS业务,拥有超过<mark>20</mark>年 的专业经验

在中国上海、中国武汉、德国布雷滕设有 **◆** 个研发中心

在中国,德国和北美设有

3个生产基地

2个总部 分别位于中国上海和德国布雷滕

多个国家的销售办事处可提供广泛的服务

BH SENS GLOBAL FOOTPRINT

保富电子全球布局





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

80+_{*}

深度合作的OEM客户

3600+_{万支}

TPMS传感器2022年销量

5000+_{万支}

The number of vehicle models that BH SENS has developed for 450+

450+[№]

车型开发经验

2023年预计销量

2020-2025年保富电子TPMS全球销量 [百万支] 及同比



















CUSTOMER BASE

主要客户















































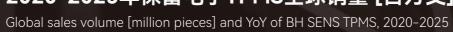
























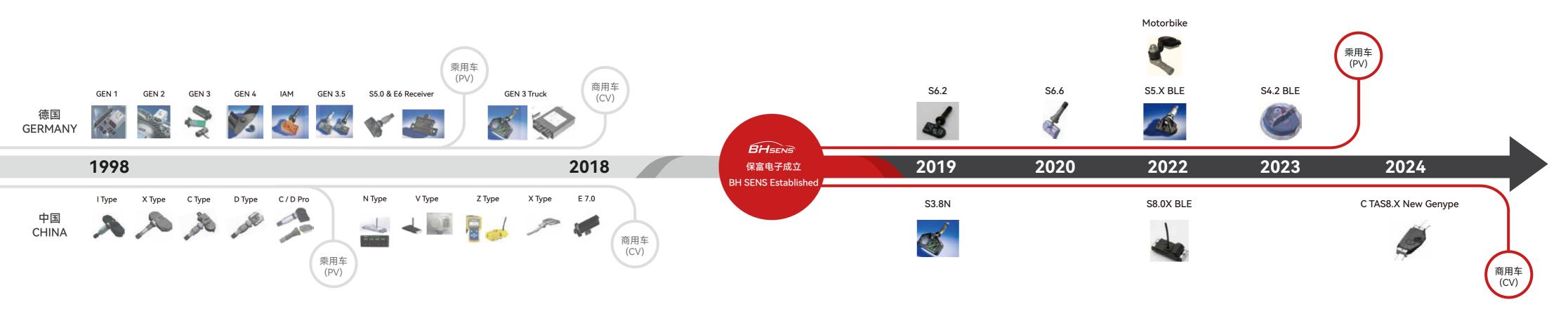




BH SENS SOLUTIONS HISTORY

保富电子产品线

Provide customized TPMS solutions for passage car, commercial vehicle & Special vehicle 为乘用车、商用车、特种车辆提供定制化的TPMS方案





BH SENS SOLUTIONS MILESTONE

保富电子技术发展路线

2022

S 4.12 \ S 7.1D

·装在轮胎上的传感器 ·负载估计功能 ·胎面磨损功能

·RF或BTX

·双芯片低功耗蓝牙解决方案

·为摩托车提供解决方案

·空中升级

·Tire mounted sensor ·Load Estimator function ·Tread Wear function

·Solution for motocycle ·RF or BTX

· Dual chip BLE solution

New Truck TPMS System 新一代卡车用TPMS

·低功耗蓝牙新一代ECU ·基于国产芯片解决方案的新一代ECU

·满足欧洲/中国/北美法规

· New FCU of BLF

· New ECU based on domestic chip solution

·Support EU/CN/NA regular

IAM 、 S 4.1X

·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

·新一代软件算法

·手机应用程序

Tire mounted sensor ·BLE connectivity · Tread Wear algorithm ·Load algorithm · New software algorithm

·App of mobile phone

S 6.6x 2

·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

·BLE based Single chip version

S 4xx

2026

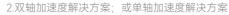
·用于胎面磨损和负载的 新一代硬件和软件 ·空中升级、网络安全 ·功能可扩展,如路况监 测等

· 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

1.在TMPS芯片领域处于领先地位



3.可提供RF和BLE的量产解决方案

1.Leading place in TMPS chip industry

2.Dual-axis acceleration solution; single-axis acceleration solution as alternative for dual-axis

3.RF and BLE mass production solutions are available

BATTERY

CHIP

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

1.TPMS battery industry top level

2.The layout of tire pressure batteries was earlier and deeper, New technologies for solid-state batteries have begun to

be studied



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















BAOLONG

* 年份日期表示B样本零件的可用性 Year dates indicate availability of B-sample parts



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

► TPMS车轮传感器 S6.62

TPMS Wheel Sensor S6.62



▶ TPMS 车轮传感器 S5.6M(低功耗蓝牙)

TPMS Wheel Sensor S5.6M (BLE)

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
·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	· 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 · Highly integrated TPMS chip solution (IFX SP40+ and Silicon BG22) · Potted electronic (effective corrosion protection) · Extremely robust against mechanical and chemical stress	R寸[L/B/H] / Dimensions [L/B/H] 重量(不含气门嘴) / Weight (W/O Value) 加速度传感器 / Acceleration Sensor 工作温度 / Operating Temperature 电池使用寿命 / Battery Service Life 压力范围 / Pressure Range 压力分辨率 / Pressure Resolution 精度 / Accuracy 低频接收 / LF Receive 射频发射 / RF Transmit 气门嘴类型 / Value Type 气门嘴角度 / Value Angle	47 mm * 30mm * 19mm 15.5 gr 单轴 (Z); 1 Axis (Z) -40°C - +125°C 通常10年; typ. 10 Years 100 kPa - 900 kPa (abs.绝对) 0.5 kPa 5.0 kPa, @ 0 - 60°C, 100 - 500 kPa 低频工具使用中; Tool LF In Service BLE 5.0 可调角度金属嘴; Flexible Angle Metal Valve 0-36°
·Standard TPMS sensor for application on Passenger Cars and Light Duty Vehicles	·Compact design & Light weight ·APC autolocation feature and ability to upport	速度范围 / Speed Range	330 km/h
· Full BLE solution	other ABS based autolocation features	自诊断功能 / Self Diagnostic Function	Yes

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BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

► TPMS车轮传感器 S4.12

TPMS Wheel Sensor S4.12 (BLE)

应用 / Applications 主要特点 / Key Features 规格参数 / Specifications ·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 尺寸[L/B/H] / Dimensions [L/B/H] 24.6 mm / 15.4 mm ·速度: 270公里/小时 重量(不含橡胶支架) / Weight (W/O Rubber Holder) 8.5 gr ·设计紧凑, 重量轻 加速度传感器 / Acceleration Sensor 单轴(Z); 1 Axis(Z) ·APC自动定位功能、支持其他基于ABS的自动 定位功能 工作温度 / Operating Temperature -40°C - +125°C ·适用于VDA标准的橡胶容器 电池使用寿命 / Battery Service Life 通常10年; typ. 10 Years ·得到两大轮胎制造商批准 压力范围 / Pressure Range 100 kPa - 900 kPa (abs.绝对) 压力分辨率 / Pressure Resolution 0.5 kPa · Highly integrated TPMS chip solution (IFX SP40+) 5.0 kPa, @ 0 - 60°C, 100 - 500 kPa ·Potted design for extended robustness 精度 / Accuracy · 270 km/h speed rate 低频接收 / LF Receive 低频工具使用中: Tool LF In Service ·用于乘用车和轻型车辆的轮胎式TPMS传感器 ·Extremely compact & light weight · 2018年7月起, 为米其林小批量供货 315 MHz or 433 MHz 射频发射 / RF Transmit ·APC autolocation feature and ability to According VDA Standard 轮胎附件 / Tire Attachment support other ABS based autolocation features Tire mounted TPMS sensor for application on Passenger Cars and 270 km/h 速度范围 / Speed Range ·Fits to rubber container according VDA standard Light Duty Vehicles · Approved by two major tire manufacturers 自诊断功能 / Self Diagnostic Function Yes ·Small series production with Michelin (07/2018)

▶ TPMS车轮传感器 S7.1D(低功耗蓝牙)

TPMS Wheel Sensor S7.1D (BLE)



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BH SENS TPMS PRODUCT PORTFOLIO - OEM

保富电子产品介绍 - OEM

▶ 工程车TPMS车轮传感器 S8.22

TPMS Wheel Sensor S8.22 (OTR)

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
		尺寸[L/B/H] / Dimensions [L/B/H]	83 mm * 50 mm * 48 (+55) mm
	· 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	重量(不含气门嘴) / Weight (W/O Valve)	280 gr
\		加速度传感器 / Acceleration Sensor	Philips PCH7970
		工作温度 / Operating Temperature	-40°C - +85°C
(B) 1		电池使用寿命 / Battery Service Life	通常10年; typ. 10 Years
		压力范围 / Pressure Range	100 kPa -1400 kPa (abs.绝对)
		压力分辨率 / Pressure Resolution	0.5 kPa
		精度 / Accuracy	33 kPa, @ 0 - 60°C
		低频接收 / LF Receive	低频工具使用中;Tool LF In Service
		射频发射 / RF Transmit	433 MHz
·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		气门嘴类型 / Valve Type	NA
	· Unique magnet installation method for giant	气门嘴角度 / Valve Angle	NA
· For OTR (i.e. mining vehicle tyres)	tires	速度范围 / Speed Range	60KM/h Extreme Duty Tyre/超重型轮胎
·In series production for aftermarket since 2014	·Optional AMTEK 4 inch display	自诊断功能 / Self Diagnostic Function	Yes

► TPMS 控制器 E6.1

TPMS ECU E6.1

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
·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	· 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	尺寸[L/B/H] / Dimensions [L/B/H] 重量(不含气门嘴) / Weight (W/O Value) 工作温度 / Operating Temperature 工作压力 / Operating Pressure 射频发射 / RF Transmit 微控制器 / Microcontroller 自诊断功能 / Self Diagnostic Function CAN总线 / CAN Bus 连接器类型 / Connector Type 防护等级 / Protection Class 电流消耗 / Current Consumption 软件合规性 / SW Compliance	67 mm*90 mm*27 mm 40 gr -40°C - +105°C 6 - 16 V, Overvoltage max 42V;最大过压42V 315MHz or 433 MHz 32Bit NXP Yes FlexData (500 kB);弹性数据(500 KB) AMP MQS 4 pin, Coding A ISO20653 / IP6K6K IPX7 IPX9K Quiescent Current(静态电流) < 40μA @ 23°C Autosar

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BHSENS TPMS PRODUCT PORTFOLIO - IAM

保富电子产品介绍-后市场

► TPMS车轮传感器 S5.0G

TPMS Wheel Sensor S5.0G

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
		尺寸[L/B/H] / Dimensions [L/B/H]	47 mm * 30 mm * 19 mm
·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	·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	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	低频工具使用中,Tool LF In Service
		射频发射 / RF Transmit	315 MHz and 433 MHz
·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		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

► TPMS车轮传感器 S5.25M

TPMS Wheel Sensor S5.25M

应用 / Applications	主要特点 / Key Features	规格参数 / Specifications	
	·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	R寸[L/B/H] / Dimensions [L/B/H] 重量(不含气门嘴) / Weight (W/O Valve) 加速度传感器 / Acceleration Sensor 外部存储器 / External Memory 工作温度 / Operating Temperature 电池使用寿命 / Battery Service Life 压力范围 / Pressure Range 压力分辨率 / Pressure Resolution	48 mm * 26 mm * 15 mm 14 gr 两轴(XZ); 2 Axis (XZ) 4MBit SPI 闪存; 4MBit SPI Flash Memory -40°C - +125°C 通常6年; typ. 6 Years 100 kPa - 900 kPa (abs.绝对) 2.5 kPa
·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	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	精度 / Accuracy 低频接收 / LF Receive 射频发射 / RF Transmit	10.0 kPa, @ 0 - 70°C, 100500 kPa 低频工具使用中,Tool LF In Service 315 MHz or 433 MHz
·Standard TPMS sensor for application on Passenger Cars and · Light Duty Vehicles ·In series production since 07/2018 ·Annual production capacity 7.5 Mio	chemical stress ·Compact design & Light weight ·APC autolocation feature and ability to support other ABS based autolocation features	气门嘴类型 / Valve Type 气门嘴角度 / Valve Angle 速度范围 / Speed Range 自诊断功能 / Self Diagnostic Function	金属; Metal 10° 250 km/h Yes

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