

ELECTRIC VEHICLE VACUUM MAP PRESSURE SENSOR

电动车真空MAP压力传感器

产品功能 | PRODUCT FEATURES

本产品用先进的微机电原理制作，核心技术为基于压阻效应的MEMS压力传感器芯片和高性能的信号调理AISC芯片，品质优良，封装精密，运用了成熟可靠的标定、补偿和保护技术，响应速度快、可靠性高、稳定性好，是一款高性价比的传感器产品，完全能满足电动车真空助力系统的使用要求。

This product is made with advanced micro-electromechanical principle. The core technology is MEMS pressure sensor chip based on piezoresistive effect and high-performance signal conditioning AISC chip. It has excellent quality and recision package. It uses mature and reliable calibration, compensation and protection technology to respond. Fast, reliable, and stable, it is a cost-effective sensor product. It can fully meet the requirements of the electric vehicle vacuum boosting system.



工作参数 | WORKING PARAMETERS

- ◇ 工作电压：6~20V
- ◇ 真空泵启动压力：-45±2.5 Kpa (范围可调)
- ◇ 真空泵停止压力：-75±2.5 Kpa (范围可调)
- ◇ 运行温度：-30°C-+125°C
- ◇ 存储温度：-40°C-+130°C
- ◇ 最大耐电流：10A
- ◇ 低真空压力保护：有
- ◇ 过流保护：有
- ◇ 持续工作时间：5min
- ◇ 振动：10g (50Hz-2000Hz)
- ◇ 防护等级：IP66
- ◇ 短路保护：有
- ◇ ESD标准：PIN针空气放电±8KV
外壳空气放电±16KV
- ◇ EMC标准：ISO11452-5
(512MHz-1GHz) 50V/m
(1MHz-512MHz) 100V/m
- ◇ Supply voltage: 6~20V
- ◇ Vacuum pump starting pressure: -45±2.5 Kpa (range adjustable)
- ◇ Vacuum pump stop pressure: -75±2.5 Kpa (range adjustable)
- ◇ Operating temperature: -30°C-+125°C
- ◇ Storage temperature: -40°C-+130°C
- ◇ Maximum current resistance: 10A
- ◇ Low vacuum pressure protection: Yes
- ◇ Over current protection: Yes
- ◇ Continuous working time: 5min
- ◇ Vibration: 10g (50Hz-2000Hz)
- ◇ Protection level: Ip66
- ◇ Short circuit protection: Yes
- ◇ ESD standard: PIN needle air discharge ± 8KV
housing air discharge ±16KV
- ◇ EMC standard: ISO11452-5
(512MHz-1GHz) 50V/m
(1MHz-512MHz) 100V/m