

座位传感器 Seat Sensor



汽车座椅传感器 (SBR) 是一种薄膜型触点传感器, 传感器的触点均匀分布在座椅的受力表面, 当座椅受到来自于外部的压力时产生一个触发信号, 提醒乘员系上安全带及防止安全气囊误触发。它可以根据汽车座椅的形状、硬度和蒙皮的松紧度来匹配传感器的外形及触点的灵敏度。

Auto seat sensor (SBR) is a film type touch sensor and the touch points are distributing uniformly on the pressed surface of seat. It would send a touch signal when seat get pression from exterior for warning to passenger fasten safety belt and avoid to airbag touch off error. The sensor can be designed footprint and pressure profile according to seat figure, seat rigidity and casing elasticity.

安装示意图 Installation drawing



座位传感器结构图 Seat sensors structure drawings



性能参数表 Performance parameters of Table

Dynamic pressure sensor
Pressure range: $0.1 \text{ N/cm}^2 - 100 \text{ N/cm}^2$
Output signal: resistance (R)
Thickfilm sandwich: $0.15 \text{ mm} - 1.0 \text{ mm}$
Great durability: >10 million activations
Minimum active area: $5 \text{ mm} \times 5 \text{ mm}$
Customer specific design

动压力传感器

压力范围: $0.1 \text{ N/cm}^2 - 100 \text{ N/cm}^2$

输出信号: 电阻 (R)

厚膜: $0.15 \text{ mm} - 1.0 \text{ mm}$

耐久性: $>10,000,000$ 次

最小活动区域: $5 \text{ mm} \times 5 \text{ mm}$

可按客户要求定制

试验项目 Experimentation Item



膝压模拟试验
Knee pressure simulate
experimentation



扭转模拟试验
Torsion simulate
experimentation



假臀模型模拟座椅
乘员检测试验
Ersatz stern of passenger
simulate experimentation