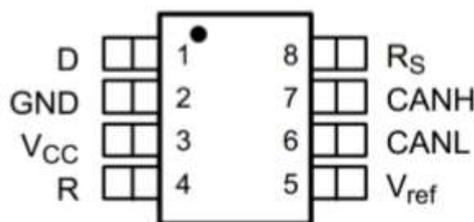# SIT65HVD230

Product description

Number of channels: 1

Source/V: 3.0~3.6

Tolerant voltage/V: -16~16

Common mode range/V: -2~7

Rate/Mbps: 1

Low power mode: Silent

HBM ESD （kV）: 15

Discharge contact/KV: 6

Quarantine: No

Temperature/℃: -40~125

Encapsulation: SOP8/DIP8

State: Active

Product: CAN

CAN Power Supply/V: 3.0~3.6V

CAN Rate/Mbps: 1Mbps

描述

SIT65HVD230 是一款应用于 CAN 协议控制器和物理总线之间的接口芯片，与具有 CAN 控制器的 3.3V 微处理器、微控制器 (MCU) 和数字信号处理器 (DSP)或者等效协议控制器结合使用，应用于工业自动化、控制、传感器和驱动系统，电机和机器人控制，楼宇和温度控制，电信和基站控制及状态等领域。适用于采用符合 ISO 11898 标准的 CAN 串行通信物理层的应用。

参数	符号	测试条件	最小	最大	单位
供电电压	V_{cc}		3	3.6	V
最大传输速率	$1/t_{bit}$	非归零码	1		Mbaud
CANH、CANL 输入输出电压	V_{can}		-16	+16	V
总线差分电压	V_{diff}		1.5	3.0	V
环境温度	T_{amb}		-40	125	℃

引脚分布图

Describe：

Sn65hvd230 is compatible with sit65hvd230. Sit65hvd230 is a can transceiver chip which is used between CAN protocol controller and physical bus, and has 3.3V microprocessor, MCU and digital signal processor with CAN controller (DSP) or equivalent protocol controller is used in industrial automation, control, sensor and drive system, motor and robot control, building and temperature control, telecommunication and base station control and status. It is suitable for the application of can serial communication physical layer which conforms to iso11898 standard. Sn65hvd230 pin to pin sit65hvd230 has the following features:

3.3V single power supply for operation;

Comply with ISO 11898-2 standard;

Bus pin ESD protection exceeds ± 1.5kV human body model (HBM);

It is allowed to connect up to 120 nodes on one bus;

Adjustable driver switching time can improve radiation performance;

Low current standby mode: 650 μ a (typical value);

Design for data rate up to 1Mbps;

Thermal shutdown protection;

Open circuit fault safety design;

Hairless pulse power on and power down protection for hot swap applications.