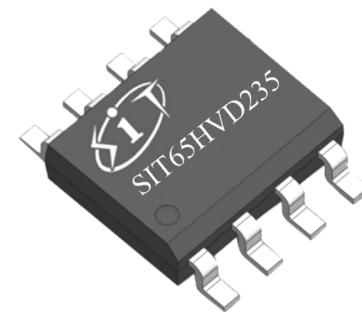


**FEATURES**

- Operates with a single 3.3V supply
- Compatible with ISO 11898-2 standard
- Bus pin ESD protection exceeds  $\pm 12\text{kV}$  (HBM)
- High input impedance allows for up to 120 nodes
- Adjustable driver transition times for improved emissions performance
- Low current standby mode:  $360\mu\text{A}$  typical
- Designed for data rates up to 1Mbps
- Thermal shutdown protection
- Open circuit fail-safe design
- Glitch free power up and power down protection for hot plugging applications

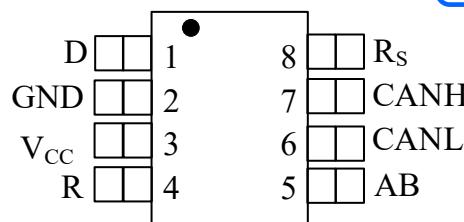
**PRODUCT APPEARANCE**


Provide environmentally friendly lead-free package

**DESCRIPTION**

SIT6HVD235 is the interface between the Controller Area Network (CAN) protocol controller and the physical bus. It is designed for use with the 3.3V  $\mu$ Ps, MCUs and DSPs with CAN controllers, or with equivalent protocol controller devices. It is used in industrial automation, control, sensors and drive systems, motor and robotic control, building and climate control (HVAC), telecom and base station control and status. The devices are intended for use in applications employing the CAN serial communication physical layer in accordance with the ISO 11898 standard.

PARAMETER	SYMBOL	CONDITION	MIN.	MAX.	UNIT
Supply voltage	$V_{cc}$		3	3.6	V
Maximum transmission rate	$1/t_{bit}$	Non-return to zero code	1		Mbaud
CANH, CANL input or output voltage	$V_{can}$		-36	+36	V
Bus differential voltage	$V_{diff}$		1.5	3.0	V
Virtual junction temperature	$T_{amb}$		-40	125	$^{\circ}\text{C}$

**PIN CONFIGURATION**


**PIN DESCRIPTION**

PIN	SYMBOL	DESCRIPTION
1	D	CAN transmit data input (LOW for dominant and HIGH for recessive bus states), also called TXD, driver input.
2	GND	Ground.
3	VCC	Transceiver 3.3V supply voltage.
4	R	CAN receive data output (LOW for dominant and HIGH for recessive bus states), also called RXD, receiver output.
5	AB	Automatic baud rate loop mode input control pin.
6	CANL	Low level CAN bus line.
7	CANH	High level CAN bus line.
8	Rs	Mode select pin: strong pull down to GND=high speed mode, strong pull up to Vcc=low power mode, 10kΩ to 100kΩ pull down to GND=slope control mode.

**LIMIT VALUES**

PARAMETER	SYMBOL	VALUE	UNIT
Supply voltage	V <sub>CC</sub>	-0.3~+6	V
MCU side voltage	D, R	-0.5~VCC+0.5	V
Bus side input voltage	CANL, CANH	-36~36	V
Transient voltage on pins CANH, CANL (test with 100Ω) See <a href="#">Fig 11</a>	V <sub>tr</sub>	-40~+40	V
Receiver output current	I <sub>O</sub>	-11~11	mA
Storage temperature	T <sub>stg</sub>	-40~150	°C
Virtual junction temperature	T <sub>j</sub>	-40~125	°C
Welding temperature range		300	°C

The maximum limit parameters mean that exceeding these values may cause irreversible damage to the device. Under these conditions, it is not conducive to the normal operation of the device. The continuous operation of the device at the maximum allowable rating may affect the reliability of the device. The reference point for all voltages is ground.

## DRIVER ELECTRICAL DC CHARACTERISTICS

SYMBOL	PARAMETER		CONDITION	MIN.	TYP.	MAX.	UNIT
$V_{O(D)}$	output voltage (Dominant)		VI=0V, $R_S=0V$ , $R_L=60\Omega$ <a href="#">Fig 1</a> , <a href="#">Fig 2</a>	2.45		VCC	V
				0.5		1.25	
$V_{OD(D)}$	Differential output voltage (Dominant)		VI=0V, $R_S=0V$ , $R_L=60\Omega$ <a href="#">Fig 1</a>	1.5	2	3	V
				1.2	2	3	V
$V_{O(R)}$	output voltage (Recessive)		VI=3V, $R_S=0V$ , $R_L=60\Omega$ <a href="#">Fig 1</a>		2.3		V
					2.3		
$V_{OD(R)}$	Differential output voltage (Recessive)		VI=3V, $R_S=0V$	-0.12		0.012	V
			VI=3V, $R_S=0V$ , No load	-0.5		0.05	V
$I_{IH}$	High-level input current		VI=2V	-30		30	$\mu A$
$I_{IL}$	Low-level input current		VI=0.8V	-30		30	$\mu A$
$I_{os}$	Short-circuit output current		CANH=-7V	-250			mA
			CANH=12V			1	
			CANL=-7V	-1			mA
			CANL=12V			250	
$C_o$	Output capacitance		See receiver				
$I_{CC}$	Supply current		Standby		360	600	$\mu A$
			$V_I=0V$ (Dominant), No load			6	mA
			$V_I=VCC$ (Recessive), No load			6	mA

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ )

## DRIVER SWITCHING CHARACTERISTICS

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Propagation delay time (low-to-high-level)	$t_{PLH}$	R=0, Short circuit ( <a href="#">Fig 4</a> )		35	85	ns
		R=10k $\Omega$		70	125	ns
		R=100k $\Omega$		500	870	ns
Propagation delay time (high-to-low-level)	$t_{PHL}$	R=0, Short circuit ( <a href="#">Fig 4</a> )		70	120	ns
		R=10k $\Omega$		130	180	ns
		R=100k $\Omega$		870	1200	ns

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Propagation delay symmetry ( $ t_{PLH} - t_{PHL} $ )	$t_{sk(p)}$	R=0, Short circuit ( <a href="#">Fig 4</a> )		35		ns
		R=10kΩ		60		ns
		R=100kΩ		370		ns
Differential output signal rise time	$t_r$	R=0, Short circuit ( <a href="#">Fig 4</a> )	20		80	ns
		R=10kΩ	30		160	ns
		R=100kΩ	300		1400	ns
Differential output signal fall time	$t_f$	R=0, Short circuit ( <a href="#">Fig 4</a> )	20		80	ns
		R=10kΩ	30		160	ns
		R=100kΩ	300		1400	ns

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ ).

## RECEIVER ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Positive-going input threshold voltage	$V_{IT+}$	<a href="#">Table 1</a>		750	900	mV
Negative-going input threshold voltage	$V_{IT-}$	<a href="#">Table 1</a>	500	650		mV
Hysteresis voltage	$V_{hys}$	$V_{IT+} - V_{IT-}$		100		mV
High-level output voltage	$V_{OH}$	$-6V < V_{ID} < 00mV$ $I_o=-8mA$ ( <a href="#">Fig 5</a> )	2.4			V
Low-level output voltage	$V_{OL}$	$900mV < V_{ID} < 6V$ $I_o=8mA$ ( <a href="#">Fig 5</a> )			0.4	V
Bus input current	$I_i$	$VIH=12V$ , $VCC=0V$	100		600	$\mu A$
Bus input current	$I_i$	$VIH=12V$ , $VCC=3.3V$	100		500	$\mu A$
Bus input current	$I_i$	$VIH=-7V$ , $VCC=0V$	-450		-20	$\mu A$
Bus input current	$I_i$	$VIH=-7V$ , $VCC=3.3V$	-610		-30	$\mu A$
Bus input resistance	$R_i$	Corresponding standards of ISO 11898-2	20	35	50	kΩ
Differential input resistance	$R_{diff}$		40		100	kΩ
Bus input capacitance	$C_i$			40		pF
Differential input capacitance	$C_{diff}$			20		pF
Supply current	$I_{CC}$	See driver				

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ ).

**RECEIVER SWITCHING CHARACTERISTICS**

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Propagation delay time (low-to-high-level)	$t_{PLH}$	<a href="#">Fig 6</a>		35	60	ns
Propagation delay time (high-to-low-level)	$t_{PHL}$	<a href="#">Fig 6</a>		35	60	ns
Pulse skew	$t_{sk}$	$  t_{PHL} - t_{PLH}  $			10	ns
Output signal rise time	$t_r$	<a href="#">Fig 6</a>		1.5		ns
Output signal fall time	$t_f$	<a href="#">Fig 6</a>		1.5		ns

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ ).

**DEVICE SWITCHING CHARACTERISTICS**

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
loop delay 1, driver input to receiver output, recessive to dominant	$t_{(LOOP1)}$	R=0, short circuit, <a href="#">Fig 8</a>		70	135	ns
		R=10k $\Omega$		105	190	ns
		R=100k $\Omega$		535	1000	ns
loop delay 2, driver input to receiver output, dominant to recessive	$t_{(LOOP2)}$	R=0, short circuit, <a href="#">Fig 8</a>		70	165	ns
		R=10k $\Omega$		105	190	ns
		R=100k $\Omega$		535	1000	ns
Loop back delay, driver input to receiver output	$t_{(AB1)}$	<a href="#">Fig 9</a>		10	20	ns
Loop back delay, driver input to receiver output	$t_{(AB2)}$	<a href="#">Fig 10</a>		35	60	ns

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ ).

**OVER TEMPERATURE PROTECTION**

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Thermal shutdown temperature	$T_{j(sd)}$		155	165	180	°C

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ ,  $Temp=T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ ,  $Temp=25^\circ C$ ).

**CONTROL PIN CHARACTERISTICS**

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
wake-up time from standby mode	$t_{WAKE}$	$R_S$ adds square wave <a href="#">Fig.7</a>		0.55	1.5	$\mu s$
Input current for high-speed	$I_{RS}$	$V_{RS} < 1V$	-450		0	$\mu A$
Input voltage for standby/sleep	$V_{RS}$	$0 < V_{RS} < V_{CC}$	$0.75V_{CC}$		$V_{CC}$	V
Power-off leakage current	$I_{off}$	$V_{CC}=0V$ , $V_{CANH}=V_{CANL}=5V$	-250		250	$\mu A$

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ , Temp= $T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ , Temp= $25^\circ C$ ).

**SUPPLY CURRENT**

PARAMETER	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Power consumption in sleep mode	$I_{CC}$	$R_S=V_{CC}$ , $V_I=V_{CC}$		360	600	$\mu A$
Dominant power consumption		$V_I=0V$ , $R_S=0V$ , LOAD=60 $\Omega$		50	70	mA
Recessive power consumption		$V_I=V_{CC}$ , $R_S=0V$ , No load			6	mA

(If not otherwise specified,  $V_{CC}=3.3V \pm 10\%$ , Temp= $T_{MIN} \sim T_{MAX}$ , Typical:  $V_{CC}=+3.3V$ , Temp= $25^\circ C$ ).

**FUNCTION TABLE**
**Table 1 Receiver characteristics in common mode (V<sub>RS</sub>=1.2V)**

V <sub>ID</sub>	V <sub>CANH</sub>	V <sub>CANL</sub>	R OUTPUT	
900mV	-6.1V	-7V	L	V <sub>OL</sub>
900mV	12V	11.1V	L	
6V	-1V	-7V	L	
6V	12V	6V	L	
500mV	-6.5V	-7V	H	V <sub>OH</sub>
500mV	12V	11.5V	H	
-6V	-7V	-1V	H	
-6V	6V	12V	H	
X	Open	Open	H	

(1) H=High level; L=Low level; X=Irrelevant.

**Table 2 Driver Function**

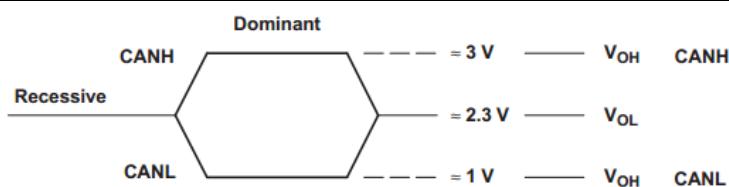
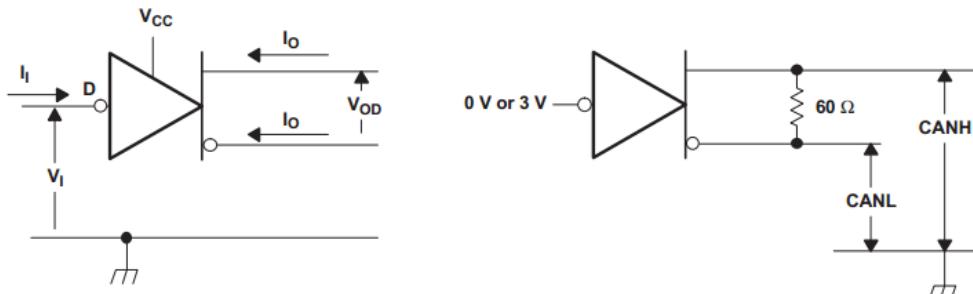
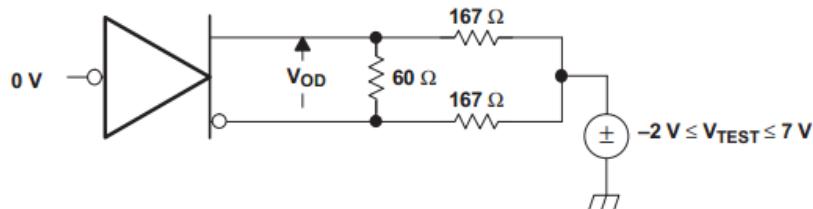
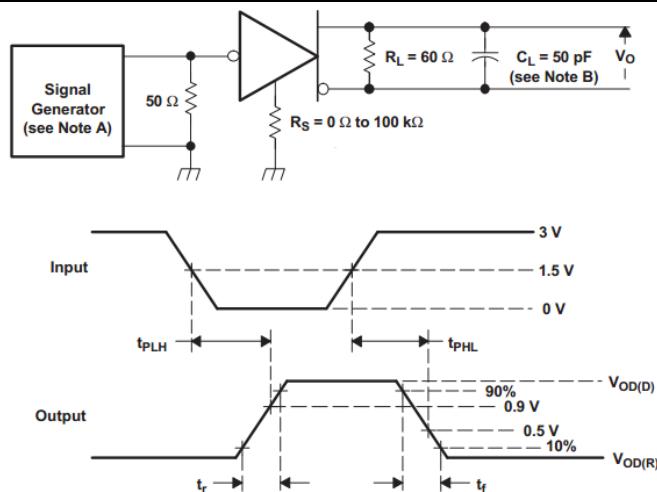
INPUTS			OUTPUTS		
D	LBK	R <sub>S</sub>	CANH	CANL	BUS STATE
X	X	>0.75V <sub>CC</sub>	Z	Z	Recessive
L	L or open	<0.33V <sub>CC</sub>	H	L	Dominant
H or open	X		Z	Z	Recessive
X	H	0.33V <sub>CC</sub>	Z	Z	Recessive

(1) H= High level; L=Low level; Z=High impedance.

**Table 3 Receiver Function**

INPUTS				OUTPUT
BUS STATE	V <sub>ID</sub> =CANH-CANL	LBK	D	R
Dominant	V <sub>ID</sub> ≥0.9V	L or open	X	L
Recessive	V <sub>ID</sub> ≤0.5V or open	L or open	H or open	H
?	0.5< V <sub>ID</sub> <0.9V	L or open	H or open	?
Dominant	V <sub>ID</sub> ≥0.9V	H	X	L
Recessive	V <sub>ID</sub> ≤0.5V or open	H	H	H
Recessive	V <sub>ID</sub> ≤0.5V or open	H	L	L
?	0.5< V <sub>ID</sub> <0.9V	H	L	L

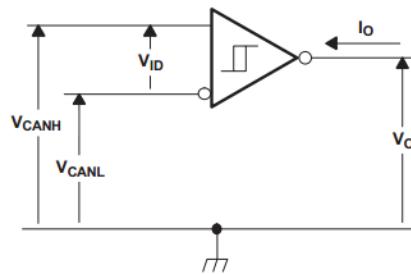
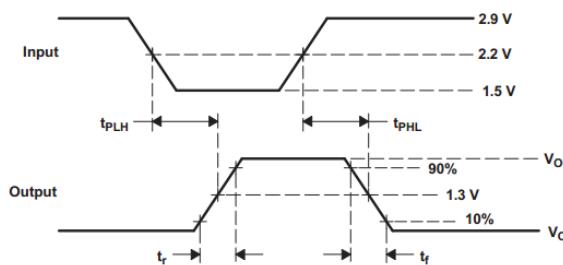
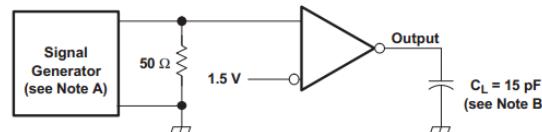
(1) H=High level; L=Low level; ?=uncertain; X=Irrelevant.

**TEST CIRCUIT**

**Fig 2 Bus logic state voltage definition**

**Fig 3 Driver V<sub>OD</sub> test circuit**


A、 The input pulse is supplied by a generator having the following characteristics: PRR $\leq$ 125kHz, 50% duty cycle,  $t_r$  $<$ 6ns,  $t_f$  $<$ 6ns,  $Z_0$  $=$ 50Ω.

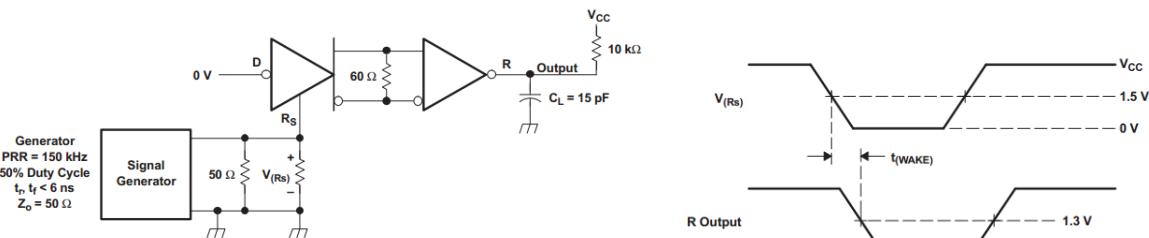
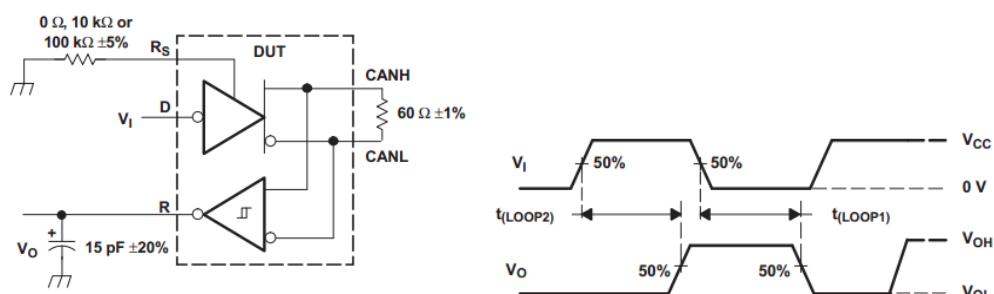
B、  $C_L$  includes fixture and instrumentation capacitance, the error is within 20%.

$$V_{IC} = \frac{V_{CANH} + V_{CANL}}{2}$$


**Fig 5 Receiver voltage and current definitions**


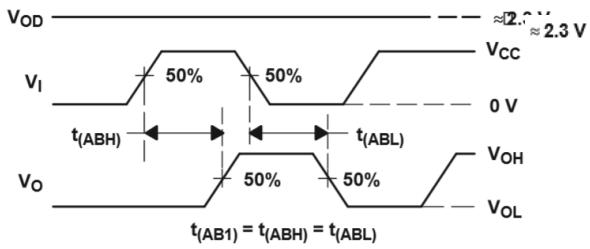
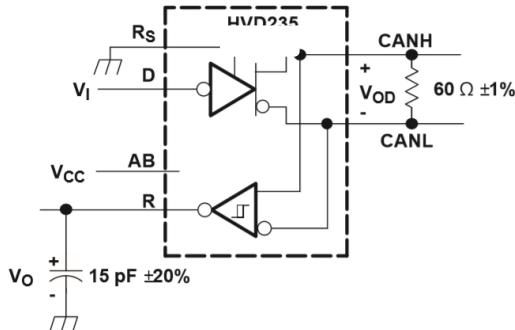
A、 The input pulse is supplied by a generator having the following characteristics: PRR≤500kHz, 50% duty cycle,  $t_r < 6\text{ns}$ ,  $Z_o = 50\Omega$ .

B、  $C_L$  includes fixture and instrumentation capacitance, the error is within 20%.

**Fig 6 Receiver test circuit and waveform**

**Fig 7  $t_{(WAKE)}$  test circuit and waveform**


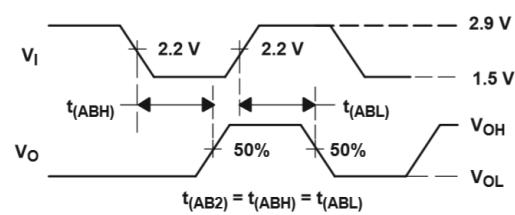
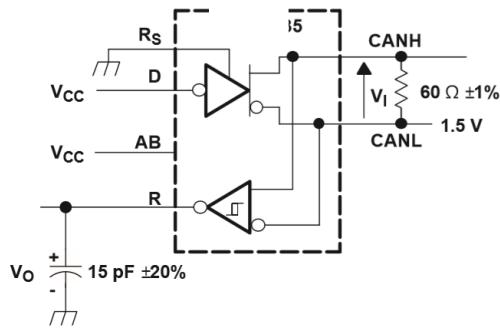
The input pulse is supplied by a generator having the following characteristics: PRR≤125kHz, 50% duty cycle,  $t_r < 6\text{ns}$ ,  $t_f < 6\text{ns}$ ,  $Z_o = 50\Omega$ .

**Fig 8  $t_{(LOOP)}$  test circuit and waveform**



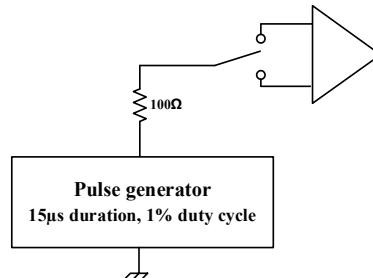
The input pulse is supplied by a generator having the following characteristics: PRR≤125kHz, 50% duty cycle,  $t_r < 6\text{ns}$ ,  $t_f < 6\text{ns}$ .

**Fig 9  $t_{(AB1)}$  test circuit and waveform**



The input pulse is supplied by a generator having the following characteristics: PRR≤125kHz, 50% duty cycle,  $t_r < 6\text{ns}$ ,  $t_f < 6\text{ns}$ .

**Fig 10  $t_{(AB2)}$  test circuit and waveform**



D, RS, and AB input status is 0 or VCC.

**Fig 11 Overvoltage protection**

## ADDITIONAL DESCRIPTION

### 1 Sketch

The SIT65HVD235 is the interface between the Controller Area Network (CAN) protocol controller and the physical bus. It is designed for use with the 3.3V  $\mu$ Ps, MCUs and DSPs with CAN controllers, or with equivalent protocol controller devices. It is used in industrial automation, control, sensors and drive systems, motor and robotic control, building and climate control (HVAC), telecom and base station control and status. It supports programmable data rates up to 1 Mbps. The devices are intended for use in applications employing the CAN serial communication physical layer in accordance with the ISO 11898 standard.

### 2 Current protection

A current-limiting circuit protects the transmitter output stage from damage caused by accidental short-circuit to either positive or negative supply voltage, although power dissipation increases during this fault condition.

### 3 Over temperature protection

SIT65HVD235 has the function of over temperature protection. When the junction temperature exceeds 160°C, the current of the driver stage will be reduced. Because the driver tube is the main energy consuming component, the reduced current can reduce the power consumption and thus reduce the chip temperature. Meanwhile, the rest of the chip remains functional.

### 4 Transient protection

Electrical transients often occur in automotive application environment, CANH, CANL of SIT65HVD235 have the function of preventing electrical transient damage.

### 5 Operating modes

The Rs pin mode, slop (pin 8) of the SIT65HVD235 provides three different modes of operation: high-speed mode, slope-control mode, and low-power mode.

#### 5.1 High-Speed Mode

The high-speed mode can be selected by applying a logic low to the Rs pin (pin 8). The high-speed mode of operation is commonly employed in industrial applications. High-speed allows the output to switch as fast as possible with no internal limitation on the output rise and fall slopes. If the high-speed transitions are a concern for emissions performance slope control mode can be used.

If both high-speed mode and the low-power standby mode is to be used in the application, direct connection to a  $\mu$ P, MCU or DSP general purpose output pin. When the controller output logic level is low (<1.2V), the device enters high speed mode can be used to switch between a logic-low level (<1.2V) for high-speed operation, and the logic-high level (>0.75VCC) for standby.

#### 5.2 Slope Control Mode

Electromagnetic compatibility is essential in many applications while still making use of unshielded twisted pair bus cable to reduce system cost. Slope control mode was added to the SIT65HVD235 devices to reduce the electromagnetic interference produced by the rise and fall times of the driver and resulting

harmonics. These rise and fall slopes of the driver outputs can be adjusted by connecting a resistor from  $R_S$  (pin 8) to ground or to a logic low voltage. The slope of the driver output signal is proportional to the pin's output current. This slope control is implemented with an external resistor value of  $10k\Omega$  to  $100k\Omega$  to achieve slew rate.

### 5.3 Standby Mode

If a logic high ( $>0.75VCC$ ) is applied to  $R_S$  (pin 8), the circuit of the SIT65HVD235 enters a low-current, listen only standby mode, during which the driver is switched off and the receiver remains active. In this listen only state, the transceiver is completely passive to the bus. It makes no difference if a slope control resistor is in place. The  $\mu$ P can reverse this low-power standby mode when the rising edge of a dominant state (bus differential voltage  $> 900$  mV typical) occurs on the bus. The  $\mu$ P, sensing bus activity, reactivates the driver circuit by placing a logic low ( $<1.2V$ ) on  $R_S$  (pin 8).

## 6 Automatic baud rate loop function

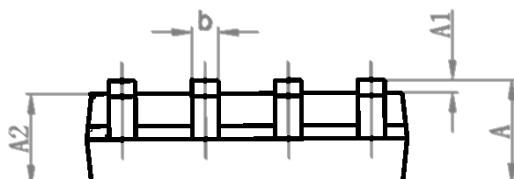
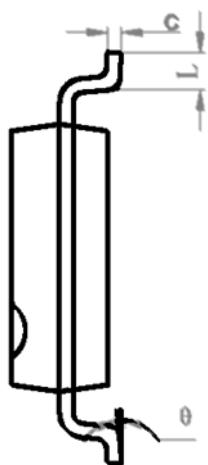
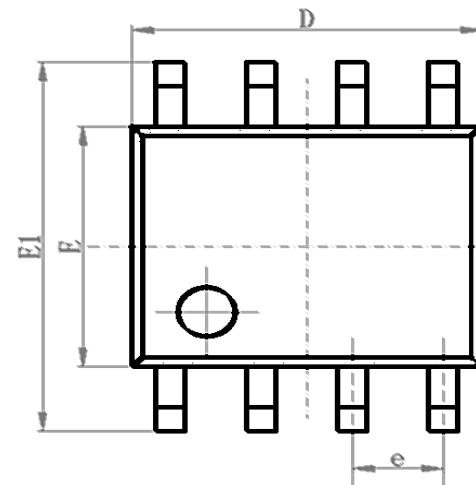
SIT65HVD235 can enter automatic baud rate loop mode by setting input pin 5 (AB) to high. In this mode, the driver output is disabled, blocking the transmission path of pin D to the bus and the transmission function of the bus, and the bus pin is set to recessive. In addition, the automatic baud rate loopback mode adds an internal logical loopback path from pin D to pin R, so that the local node can transmit to itself synchronously without causing interference to the information on the bus. Therefore, if the CAN controller of the local node generates an error frame, it is not transmitted to the bus, but only detected by the local CAN controller. This is particularly helpful for whether the local node is set to the same baud rate as the network, and whether it is adjusted to the network baud rate. Automatic baud rate detection is most appropriate for an application with a known selected baud rate. For example, popular communication frequencies in industrial devices are 125kbps, 250kbps, or 500kbps. Once the SIT65HVD235 enters the automatic baud rate loop mode, the application software can undertake the first baud rate of 125kbps. Then it will wait for another node on the bus to transmit the information. If a wrong baud rate is chosen, an error message is generated by the local CAN controller due to the wrong message sampling time. However, since the transmission function of the bus has been disabled, no other node will receive the error frame generated due to the CAN controller of this node.

The application will then use the status register indication of the local CAN controller to determine the received message and the error warning status to confirm whether the baud rate set is correct. The warning state indicates that the error count of the CAN controller has been increased. The received message status indicates that a correct message has been received. If an error is generated, the application sets the CAN controller with the next possible baud rate and waits to receive another message. This pattern is repeated until an error-free message is received. Thus, the correct baud rate has been selected. At this time, the application program sets the pin 5 of the SIT65HVD235 to low, so that the SIT65HVD235 enters the normal receiving mode, so that the bus sending and bus receiving functions of the transceiver reach the normal working state.

If the pin AB is not used, it can be either grounded (GND) or floated(open) because it is pulled down internally by the chip in the open state (the default is low input).

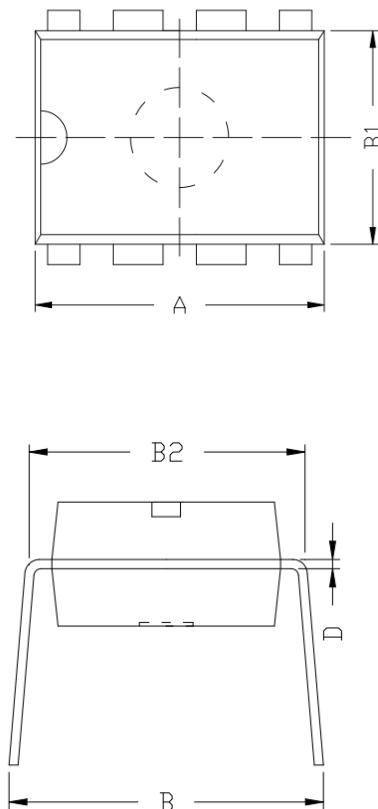
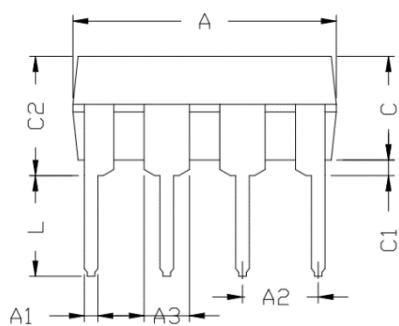
**SOP8 DIMENSIONS**
**PACKAGE SIZE**

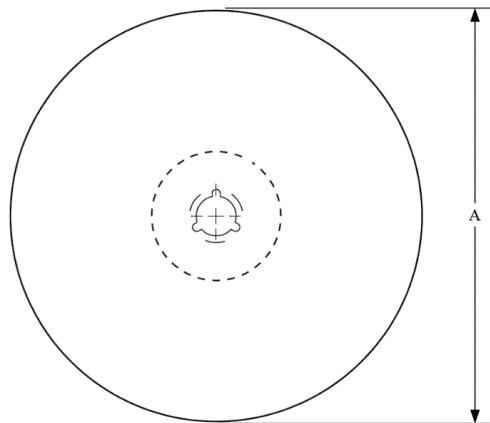
SYMBOL	MIN./mm	TYP./mm	MAX./mm
A	1.40	-	1.80
A1	0.10	-	0.25
A2	1.30	1.40	1.50
b	0.38	-	0.51
D	4.80	4.90	5.00
E	3.80	3.90	4.00
E1	5.80	6.00	6.20
e		1.27BSC	
L	0.40	0.60	0.80
c	0.20	-	0.25
$\theta$	0°	-	8°



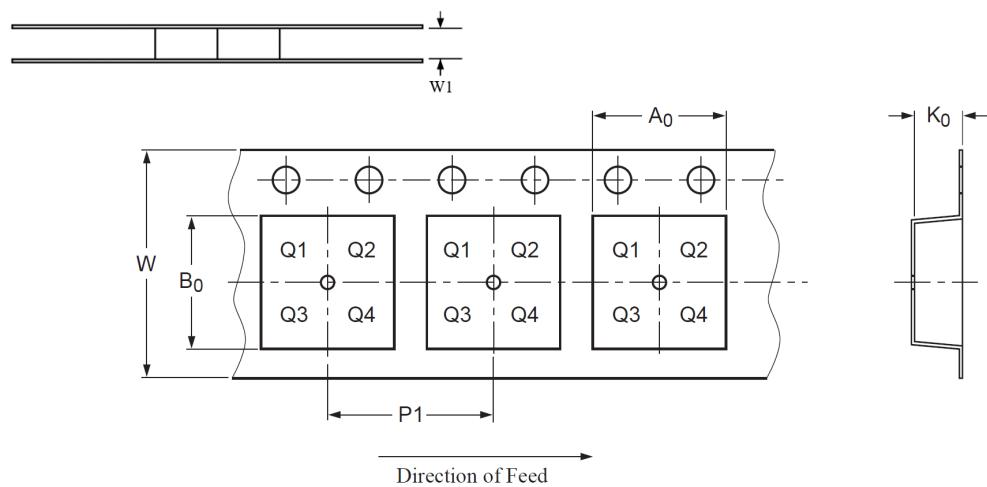
**DIP8 DIMENSIONS**
**PACKAGE SIZE**

SYMBOL	MIN./mm	TYP./mm	MAX./mm
A	9.00	9.20	9.40
A1	0.33	0.45	0.51
A2	2.54TYP		
A3	1.525TYP		
B	8.40	8.70	9.10
B1	6.20	6.40	6.60
B2	7.32	7.62	7.92
C	3.20	3.40	3.60
C1	0.50	0.60	0.80
C2	3.71	4.00	4.31
D	0.20	0.28	0.36
L	3.00	3.30	3.60



**TAPE AND REEL INFORMATION**


A0	Dimension designed to accommodate the component width
B0	Dimension designed to accommodate the component length
K0	Dimension designed to accommodate the component thickness
W	Overall width of the carrier tape
P1	Pitch between successive cavity centers



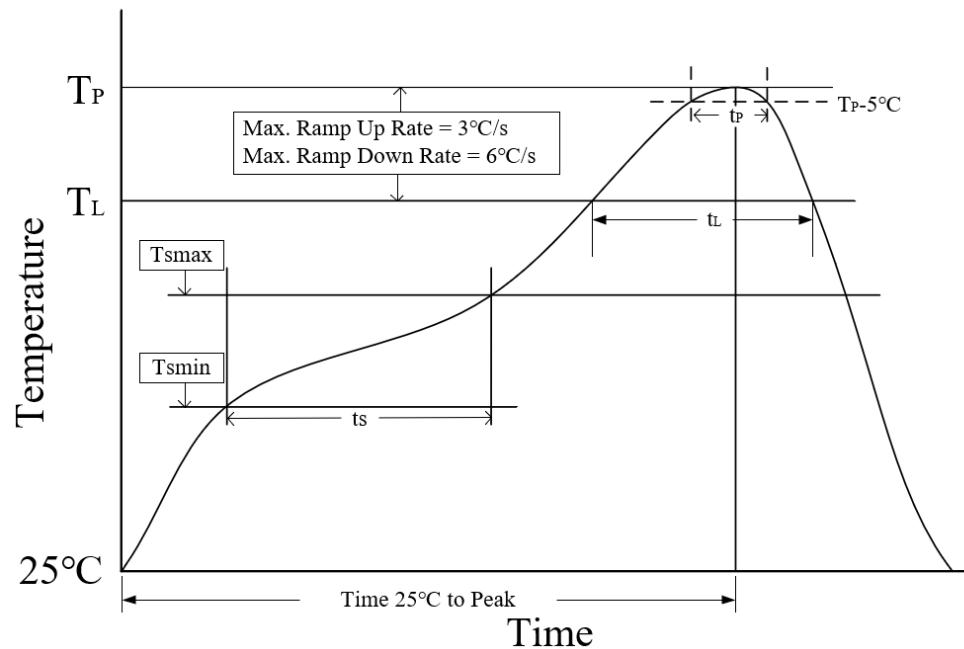
PIN1 is in quadrant 1

Package Type	Reel Diameter A (mm)	Tape width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)
SOP8	330±2	12.4±0.40	6.50±0.1	5.30±0.10	2.05±0.1	8.00±0.1	12.00±0.1

**ORDERING INFORMATION**

TYPE NUMBER	PACKAGE	PACKING
SIT65HVD235DR	SOP8	Tape and reel
SIT65HVD235P	DIP8	Tube

SOP8 is packed with 2500 pieces/disc in braided packaging. DIP8 is packed with 50 pieces/tube in tube packaging.

**REFLOW SOLDERING**


Parameter	Lead-free soldering conditions
Ave ramp up rate ( $T_L$ to $T_P$ )	3°C/second max
Preheat time $t_s$ ( $T_{smin}=150^\circ\text{C}$ to $T_{smax}=200^\circ\text{C}$ )	60-120 seconds
Melting time $t_L$ ( $T_L=217^\circ\text{C}$ )	60-150 seconds
Peak temp $T_P$	260-265°C
5°C below peak temperature $t_p$	30 seconds
Ave cooling rate ( $T_P$ to $T_L$ )	6°C/second max
Normal temperature 25°C to peak temperature $T_P$ time	8 minutes max

**Important statement**

SIT reserves the right to change the above-mentioned information without prior notice.



3.3V power supply, automatic baud rate loop function, high-speed CAN bus transceiver

**SIT65HVD235**

## VERSION HISTORY

Version number	Data sheet status	Revision Date
V1.0	Initial version.	February 2023