Bilateral switch Rev. 12 — 31 August 2021

1. General description

The 74LVC2G66 is a dual single pole, single-throw analog switch. Each switch has two input/output terminals (nY and nZ) and a digital enable input (nE). When nE is LOW, the analog switch is turned off. Inputs can be driven from either 3.3 V or 5 V devices. This feature allows the use of these devices as translators in mixed 3.3 V and 5 V environments.

Schmitt-trigger action at all inputs makes the circuit tolerant of slower input rise and fall times.

2. Features and benefits

- Wide supply voltage range from 1.65 V to 5.5 V
- Very low ON resistance:
 - 7.5 Ω (typical) at V_{CC} = 2.7 V
 - 6.5 Ω (typical) at V_{CC} = 3.3 V
 - 6 Ω (typical) at V_{CC} = 5 V
- Switch current capability of 32 mA
- Overvoltage tolerant inputs to 5.5 V
- High noise immunity
- CMOS low power consumption
- TTL interface compatibility at 3.3 V
- I_{OFF} circuitry provides partial Power-down mode operation
- Latch-up performance meets requirements of JESD78 Class I
- Complies with JEDEC standards:
 - JESD8-7 (1.65 V to 1.95 V)
 - JESD8-5 (2.3 V to 2.7 V)
 - JESD8C (2.7 V to 3.6 V)
 - JESD36 (4.5 V to 5.5 V)
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



3. Ordering information

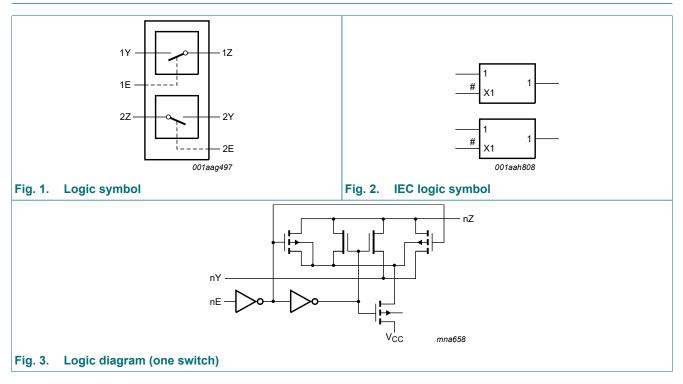
Type number	Package	Package							
	Temperature range	Name	Description	Version					
74LVC2G66DP	-40 °C to +125 °C	TSSOP8	plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm	SOT505-2					
74LVC2G66DC	-40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1					
74LVC2G66GT	-40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 × 1.95 × 0.5 mm	SOT833-1					
74LVC2G66GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 × 1.0 × 0.35 mm	SOT1116					

4. Marking

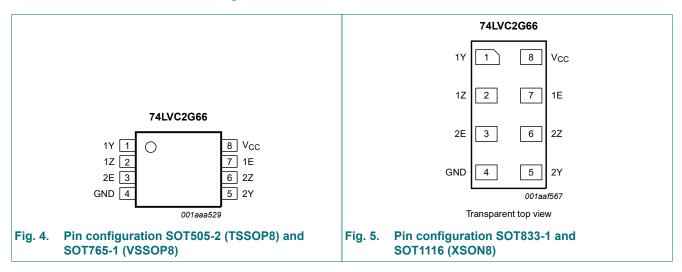
Table 2. Marking codes						
Type number	Marking code[1]					
74LVC2G66DP	V66					
74LVC2G66DC	V66					
74LVC2G66GT	V66					
74LVC2G66GN	VL					

[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information



6.1. Pinning

6.2. Pin description

Table 3. Pin description						
Symbol	Pin	Description				
1Y	1	independent input or output				
1Z	2	independent input or output				
2E	3	enable input (active HIGH)				
GND	4	ground (0 V)				
2Y	5	independent input or output				
2Z	6	independent input or output				
1E	7	enable input (active HIGH)				
V _{CC}	8	supply voltage				

7. Functional description

Table 4. Function table

H = HIGH voltage level; L = LOW voltage level.

Input nE	Switch
L	OFF-state
Н	ON-state

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8. Limiting values

Table 5. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134). Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	Min	Max	Unit
V _{CC}	supply voltage		-0.5	+6.5	V
VI	input voltage	[1]	-0.5	+6.5	V
I _{IK}	input clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V	-50	-	mA
I _{SK}	switch clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V	-	±50	mA
V _{SW}	switch voltage	enable and disable mode [2]	-0.5	V _{CC} + 0.5	V
I _{SW}	switch current	V_{SW} > -0.5 V or V_{SW} < V_{CC} + 0.5 V	-	±50	mA
I _{CC}	supply current		-	100	mA
I _{GND}	ground current		-100	-	mA
T _{stg}	storage temperature		-65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 \text{ °C to } +125 \text{ °C}$ [3]	-	250	mW

[1] The minimum input voltage rating may be exceeded if the input current rating is observed.

[2] The minimum and maximum switch voltage ratings may be exceeded if the switch clamping current rating is observed.

[3] For SOT505-2 (TSSOP8) package: Ptot derates linearly with 4.6 mW/K above 96 °C.

For SOT765-1 (VSSOP8) package: P_{tot} derates linearly with 4.9 mW/K above 99 °C.

For SOT833-1 (XSON8) package: P_{tot} derates linearly with 3.1 mW/K above 68 °C.

For SOT1116 (XSON8) package: P_{tot} derates linearly with 4.2 mW/K above 90 °C.

9. Recommended operating conditions

Table 6. Operating conditions

Symbol	Parameter	Conditions		Min	Max	Unit
V _{CC}	supply voltage			1.65	5.5	V
VI	input voltage			0	5.5	V
V _{SW}	switch voltage		[1] [2]	0	V _{CC}	V
T _{amb}	ambient temperature			-40	+125	°C
Δt/ΔV	input transition rise and fall rate	V _{CC} = 1.65 V to 2.7 V	[3]	-	20	ns/V
		V _{CC} = 2.7 V to 5.5 V		-	10	ns/V

[1] To avoid sinking GND current from terminal nZ when switch current flows in terminal nY, the voltage drop across the bidirectional switch must not exceed 0.4 V. If the switch current flows into terminal nZ, no GND current will flow from terminal nY. In this case, there is no limit for the voltage drop across the switch.

[2] For overvoltage tolerant switch voltage capability, refer to 74LVCV2G66.

[3] Applies to control signal levels.

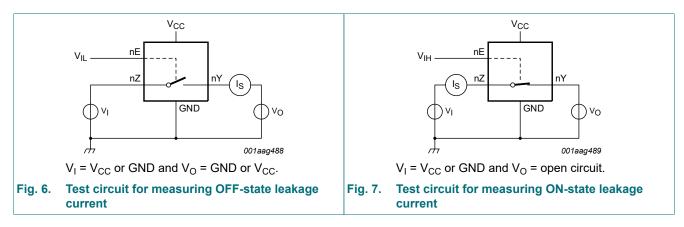
10. Static characteristics

Table 7. Static characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions		-40	°C to +8	5 °C	-40 °C to	+125 °C	Unit
				Min	Typ[1]	Max	Min	Max	1
VIH	HIGH-level input	V _{CC} = 1.65 V to 1.95 V		0.65V _{CC}	-	-	0.65V _{CC}	-	V
	voltage	V _{CC} = 2.3 V to 2.7 V		1.7	-	-	1.7	-	V
		V _{CC} = 2.7 V to 3.6 V		2.0	-	-	2.0	-	V
		V _{CC} = 4.5 V to 5.5 V		$0.7V_{CC}$	-	-	0.7V _{CC}	-	V
V _{IL}	LOW-level input	V _{CC} = 1.65 V to 1.95 V		-	-	0.35V _{CC}	-	0.35V _{CC}	V
	voltage	V _{CC} = 2.3 V to 2.7 V		-	-	0.7	-	0.7	V
		V _{CC} = 2.7 V to 3.6 V		-	-	0.8	-	0.8	V
		V _{CC} = 4.5 V to 5.5 V		-	-	0.3V _{CC}	-	0.3V _{CC}	V
lı	input leakage current	pin nE; V _I = 5.5 V or GND; V _{CC} = 0 V to 5.5 V	[2]	-	±0.1	±1	-	±1	μA
I _{S(OFF)}	OFF-state leakage current	V _{CC} = 5.5 V; see <u>Fig. 6</u> .	[2]	-	±0.1	±0.2	-	±0.5	μA
I _{S(ON)}	ON-state leakage current	V _{CC} = 5.5 V; see <u>Fig. 7</u> .	[2]	-	±0.1	±1	-	±2	μA
I _{CC}	supply current	$V_{I} = 5.5 V \text{ or GND};$ $V_{SW} = GND \text{ or } V_{CC};$ $V_{CC} = 1.65 V \text{ to } 5.5 V$	[2]	-	0.1	4	-	4	μA
ΔI _{CC}	additional supply current	pin nE; V _I = V _{CC} - 0.6 V; V _{SW} = GND or V _{CC} ; V _{CC} = 5.5 V	[2]	-	5	500	-	500	μA
CI	input capacitance			-	2.0	-	-	-	pF
$C_{S(OFF)}$	OFF-state capacitance			-	5.0	-	-	-	pF
C _{S(ON)}	ON-state capacitance			-	9.5	-	-	-	pF

10.1. Test circuits



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10.2. ON resistance

Table 8. ON resistance

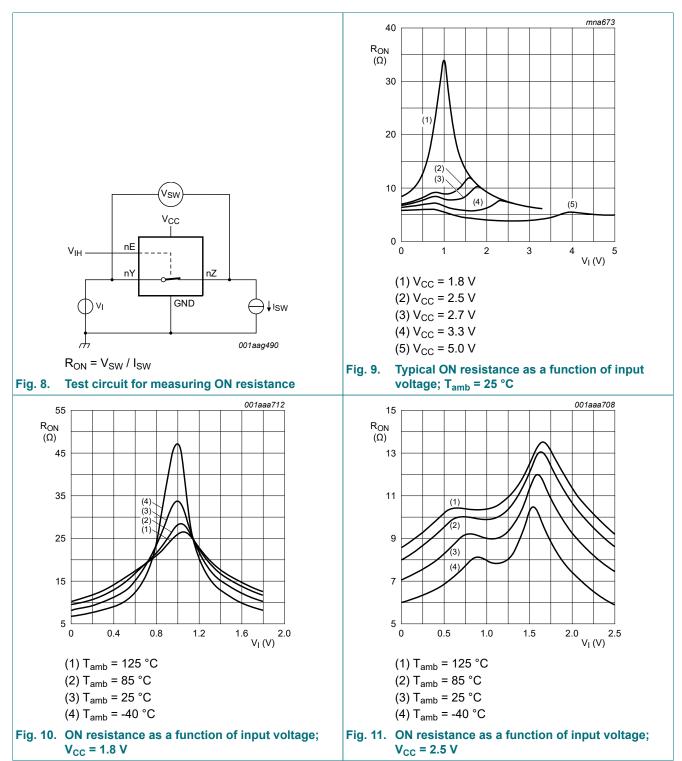
At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Fig. 9 to Fig. 14.

Symbol	Parameter	Conditions	-40	°C to +85	5 °C	-40 °C te	Unit	
			Min	Typ[1]	Мах	Min	Max	
R _{ON(peak)}	ON resistance	$V_{I} = GND$ to V_{CC} ; see <u>Fig. 8</u> .						
	(peak)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	34.0	130	-	195	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	12.0	30	-	45	Ω
		I _{SW} = 12 mA; V _{CC} = 2.7 V	-	10.4	25	-	38	Ω
		I _{SW} = 24 mA; V _{CC} = 3 V to 3.6 V	-	7.8	20	-	30	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	6.2	15	-	23	Ω
R _{ON(rail)}	ON resistance	V _I = GND; see <u>Fig. 8</u>						
	(rail)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	8.2	18	-	27	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	7.1	16	-	24	Ω
		I _{SW} = 12 mA; V _{CC} = 2.7 V	-	6.9	14	-	21	Ω
		I _{SW} = 24 mA; V _{CC} = 3 V to 3.6 V	-	6.5	12	-	18	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	5.8	10	-	15	Ω
		V _I = V _{CC} ; see <u>Fig. 8</u>						
		I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	10.4	30	-	45	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	7.6	20	-	30	Ω
		I _{SW} = 12 mA; V _{CC} = 2.7 V	-	7.0	18	-	27	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	6.1	15	-	23	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	4.9	10	-	15	Ω
R _{ON(flat)}	ON resistance	$V_{I} = GND \text{ to } V_{CC}$ [2]						
	(flatness)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	26.0	-	-	-	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	5.0	-	-	-	Ω
		I _{SW} = 12 mA; V _{CC} = 2.7 V	-	3.5	-	-	-	Ω
		I_{SW} = 24 mA; V_{CC} = 3 V to 3.6 V	-	2.0	-	-	-	Ω
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	1.5	-	-	-	Ω

[1] [2]

Typical values are measured at T_{amb} = 25 °C and nominal V_{CC} . Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V_{CC} and temperature.

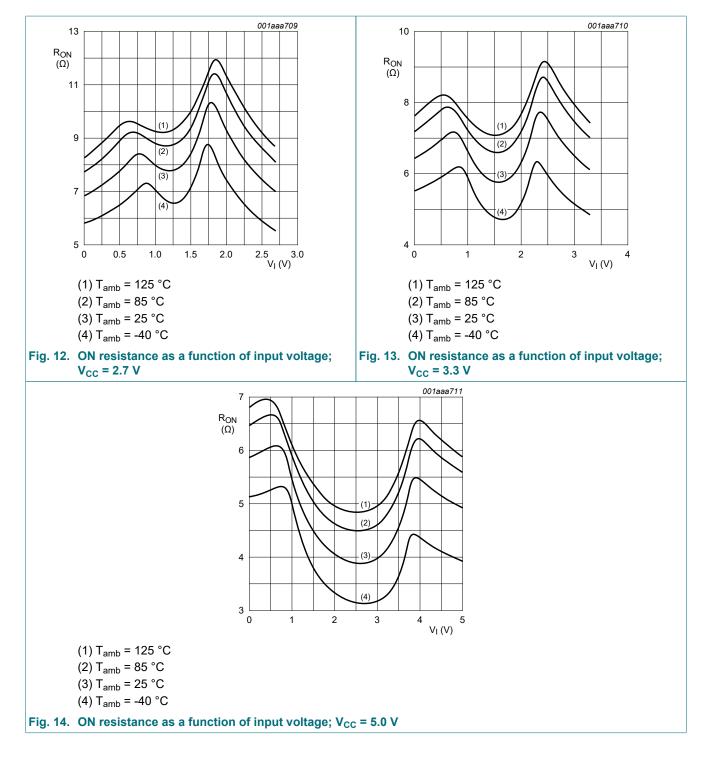
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10.3. ON resistance test circuit and graphs

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Bilateral switch



11. Dynamic characteristics

Table 9. Dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 17.

Symbol	Parameter	eter Conditions		-40 °C to +85 °C			-40 °C to +125 °C		
			Min	Typ[1]	Мах	Min	Мах		
t _{pd}	propagation delay	nY to nZ or nZ to nY; [2] [3] see <u>Fig. 15</u> .							
		V _{CC} = 1.65 V to 1.95 V	-	0.8	2.0	-	3.0	ns	
		V _{CC} = 2.3 V to 2.7 V	-	0.4	1.2	-	2.0	ns	
		V _{CC} = 2.7 V	-	0.4	1.0	-	1.5	ns	
		V _{CC} = 3.0 V to 3.6 V	-	0.3	0.8	-	1.5	ns	
		V _{CC} = 4.5 V to 5.5 V	-	0.2	0.6	-	1.0	ns	
t _{en}	enable time	nE to nY or nZ; see <u>Fig. 16</u> . [4]							
		V _{CC} = 1.65 V to 1.95 V	1.0	4.6	10	1.0	13.0	ns	
		V _{CC} = 2.3 V to 2.7 V	1.0	2.7	5.6	1.0	7.5	ns	
		V _{CC} = 2.7 V	1.0	2.7	5.0	1.0	6.5	ns	
		V _{CC} = 3.0 V to 3.6 V	1.0	2.4	4.4	1.0	6.0	ns	
		V _{CC} = 4.5 V to 5.5 V	1.0	1.8	3.9	1.0	5.0	ns	
t _{dis}	disable time	nE to nY or nZ; see <u>Fig. 16</u> . [5]							
		V _{CC} = 1.65 V to 1.95 V	1.0	3.8	9.0	1.0	11.5	ns	
		V _{CC} = 2.3 V to 2.7 V	1.0	2.1	5.5	1.0	7.0	ns	
		V _{CC} = 2.7 V	1.0	3.5	6.5	1.0	8.5	ns	
		V _{CC} = 3.0 V to 3.6 V	1.0	3.0	6.0	1.0	8.0	ns	
		V _{CC} = 4.5 V to 5.5 V	1.0	2.2	5.0	1.0	6.5	ns	
C _{PD}	power dissipation	$ C_L = 50 \text{ pF}; f_i = 10 \text{ MHz}; $							
	capacitance	V _{CC} = 2.5 V	-	9.0	-	-	-	pF	
		V _{CC} = 3.3 V	-	11.0	-	-	-	pF	
		V _{CC} = 5.0 V	-	15.7	-	-	-	pF	

Typical values are measured at T_{amb} = 25 $^\circ C$ and nominal $V_{CC}.$ [1]

[2]

t_{pd} is the same as t_{PLH} and t_{PHL}. Propagation delay is the calculated RC time constant of the typical ON resistance of the switch and the specified capacitance when [3] driven by an ideal voltage source (zero output impedance).

 t_{en} is the same as t_{PZH} and t_{PZL} . [4]

[5] t_{dis} is the same as t_{PLZ} and $t_{\text{PHZ}}.$

 C_{PD} is used to determine the dynamic power dissipation (P_D in μW). [6]

 $P_{D} = C_{PD} \times V_{CC}^{2} \times f_{i} \times N + \Sigma \{(C_{L} + C_{S(ON)}) \times V_{CC}^{2} \times f_{o}\} \text{ where:}$

 f_i = input frequency in MHz; f_o = output frequency in MHz;

C_L = output load capacitance in pF;

C_{S(ON)} = maximum ON-state switch capacitance in pF; V_{CC} = supply voltage in V;

N = number of inputs switching;

 Σ {(C_L + C_{S(ON)}) × V_{CC}² × f_o} = sum of the outputs.

11.1. Waveforms and test circuit

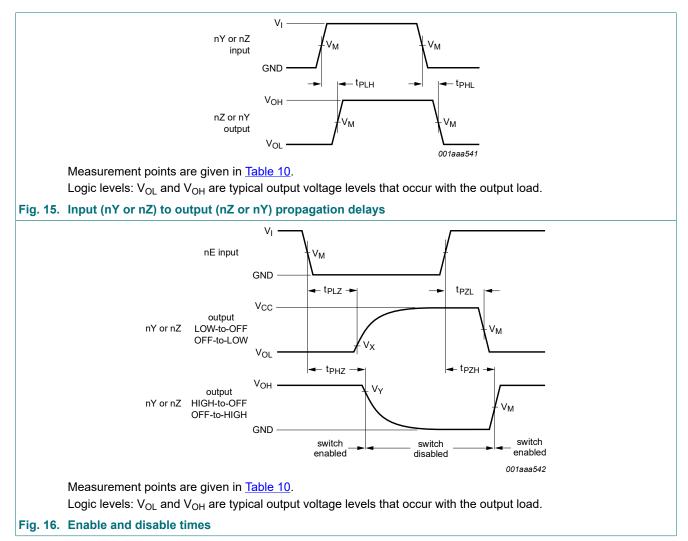
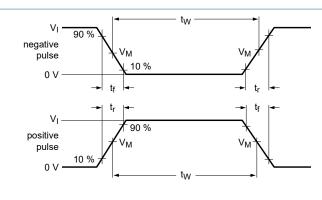
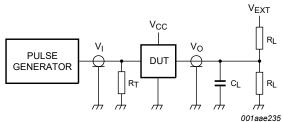


Table 10.	Measurement	points
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Supply voltage	Input	Output	Output					
V _{cc}	V _M	V _M	V _X	V _Y				
1.65 V to 1.95 V	0.5 × V _{CC}	$0.5 \times V_{CC}$	V _{OL} + 0.15 V	V _{OH} - 0.15 V				
2.3 V to 2.7 V	0.5 × V _{CC}	$0.5 \times V_{CC}$	V _{OL} + 0.15 V	V _{OH} - 0.15 V				
2.7 V	1.5 V	1.5 V	V _{OL} + 0.3 V	V _{OH} - 0.3 V				
3.0 V to 3.6 V	1.5 V	1.5 V	V _{OL} + 0.3 V	V _{OH} - 0.3 V				
4.5 V to 5.5 V	$0.5 \times V_{CC}$	$0.5 \times V_{CC}$	V _{OL} + 0.3 V	V _{OH} - 0.3 V				

Bilateral switch





Test data is given in <u>Table 11</u>.

Definitions test circuit:

- R_T = Termination resistance should be equal to output impedance Z_o of the pulse generator.
- C_L = Load capacitance including jig and probe capacitance.
- R_L = Load resistance.

V_{EXT} = External voltage for measuring switching times.

Fig. 17. Test circuit for measuring switching times

Table 11. Test data

Supply voltage	Input	Input		Load		V _{EXT}		
V _{cc}	VI	t _r , t _f	CL	RL	t _{PLH,} t _{PHL}	t _{PZH,} t _{PHZ}	t _{PZL,} t _{PLZ}	
1.65 V to 1.95 V	V _{CC}	≤ 2.0 ns	30 pF	1 kΩ	open	GND	$2 \times V_{CC}$	
2.3 V to 2.7 V	V _{CC}	≤ 2.0 ns	30 pF	500 Ω	open	GND	2 × V _{CC}	
2.7 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6 V	
3.0 V to 3.6 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6 V	
4.5 V to 5.5 V	V _{CC}	≤ 2.5 ns	50 pF	500 Ω	open	GND	$2 \times V_{CC}$	

Bilateral switch

11.2. Additional dynamic characteristics

Table 12. Additional dynamic characteristics

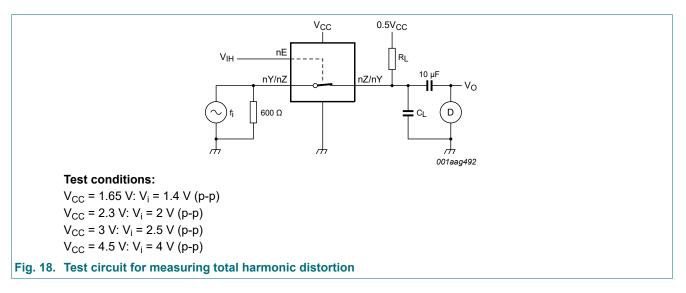
At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
THD	total harmonic distortion	R_L = 10 kΩ; C_L = 50 pF; f_i = 1 kHz; see <u>Fig. 18</u> .				
		V _{CC} = 1.65 V	-	0.032	-	%
		V _{CC} = 2.3 V	-	0.008	-	%
		V _{CC} = 3.0 V	-	0.006	-	%
		V _{CC} = 4.5 V	-	0.005	-	%
		R_L = 10 kΩ; C_L = 50 pF; f_i = 10 kHz; see <u>Fig. 18</u> .				
		V _{CC} = 1.65 V	-	0.068	-	%
		V _{CC} = 2.3 V	-	0.009	-	%
		V _{CC} = 3.0 V	-	0.008	-	%
		V _{CC} = 4.5 V	-	0.006	-	%
f _(-3dB)	-3 dB frequency	R_L = 600 Ω; C_L = 50 pF; see <u>Fig. 19</u> .				
	response	V _{CC} = 1.65 V	-	135	-	MHz
		V _{CC} = 2.3 V	-	145	-	MHz
		V _{CC} = 3.0 V	-	150	-	MHz
		V _{CC} = 4.5 V	-	155	-	MHz
		R_L = 50 Ω; C_L = 10 pF; see Fig. 19.				
		V _{CC} = 1.65 V	-	200	-	MHz
		V _{CC} = 2.3 V	-	350	-	MHz
		V _{CC} = 3.0 V	-	410	-	MHz
		V _{CC} = 4.5 V	-	440	-	MHz
		R_L = 50 Ω; C_L = 5 pF; see <u>Fig. 19</u> .				-
		V _{CC} = 1.65 V	-	> 500	-	MHz
		V _{CC} = 2.3 V	-	> 500	-	MHz
		V _{CC} = 3.0 V	-	> 500	-	MHz
		V _{CC} = 4.5 V	-	> 500	-	MHz
α _{iso}	isolation (OFF-state)	R_L = 600 Ω; C_L = 50 pF; f_i = 1 MHz; see <u>Fig. 20</u> .				-
		V _{CC} = 1.65 V	-	-46	-	dB
		V _{CC} = 2.3 V	-	-46	-	dB
		V _{CC} = 3.0 V	-	-46	-	dB
		V _{CC} = 4.5 V	-	-46	-	dB
		R_L = 50 Ω; C_L = 5 pF; f_i = 1 MHz; see <u>Fig. 20</u> .				1
		V _{CC} = 1.65 V	-	-37	-	dB
		V _{CC} = 2.3 V	-	-37	-	dB
		V _{CC} = 3.0 V	-	-37	-	dB
		V _{CC} = 4.5 V	_	-37	-	dB

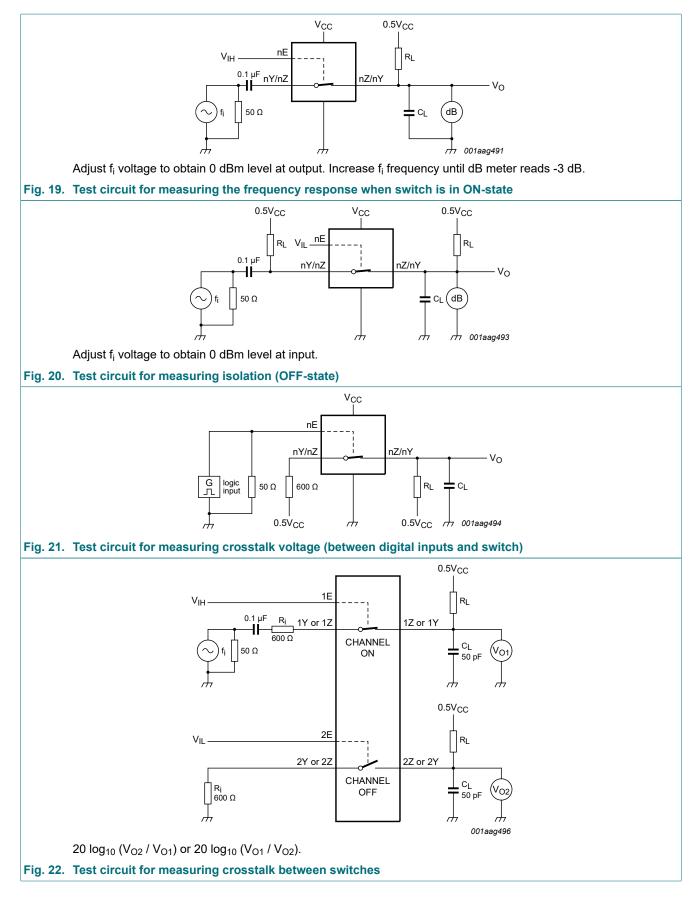
Bilateral switch

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
V _{ct}	crosstalk voltage	between digital inputs and switch; $R_L = 600 \Omega$; $C_L = 50 \text{ pF}$; $f_i = 1 \text{ MHz}$; $t_r = t_f = 2 \text{ ns}$; see Fig. 21.				
		V _{CC} = 1.65 V	-	-	-	mV
		V _{CC} = 2.3 V	-	91	-	mV
		V _{CC} = 3.0 V	-	119	-	mV
		V _{CC} = 4.5 V	-	205	-	mV
Xtalk	crosstalk	between switches; R_L = 600 Ω ; C_L = 50 pF; f_i = 1 MHz; see Fig. 22.				
		V _{CC} = 1.65 V	-	-	-	dB
		V _{CC} = 2.3 V	-	-56	-	dB
		V _{CC} = 3.0 V	-	-56	-	dB
		V _{CC} = 4.5 V	-	-56	-	dB
		between switches; R_L = 50 Ω ; C_L = 5 pF; f_i = 1 MHz; see Fig. 22.				
		V _{CC} = 1.65 V	-	-	-	dB
		V _{CC} = 2.3 V	-	-29	-	dB
		V _{CC} = 3.0 V	-	-28	-	dB
		V _{CC} = 4.5 V	-	-28	-	dB
Q _{inj}	charge injection	$ \begin{array}{l} C_L = 0.1 \text{ nF}; V_{gen} = 0 \text{V}; \text{R}_{gen} = 0 \Omega; \text{f}_\text{i} = 1 \text{MHz}; \\ \text{R}_L = 1 \text{M}\Omega; \text{ see } \underline{\text{Fig. } 23}. \end{array} $				_
		V _{CC} = 1.8 V	-	3.3	-	рС
		V _{CC} = 2.5 V	-	4.1	-	рС
		V _{CC} = 3.3 V	-	5.0	-	рС
		V _{CC} = 4.5 V	-	6.4	-	рС
		V _{CC} = 5.5 V	-	7.5	-	рС

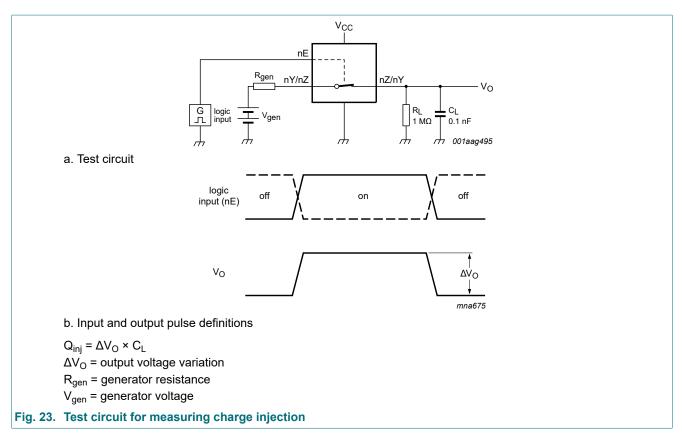
11.3. Test circuits



Bilateral switch



Bilateral switch



12. Package outline

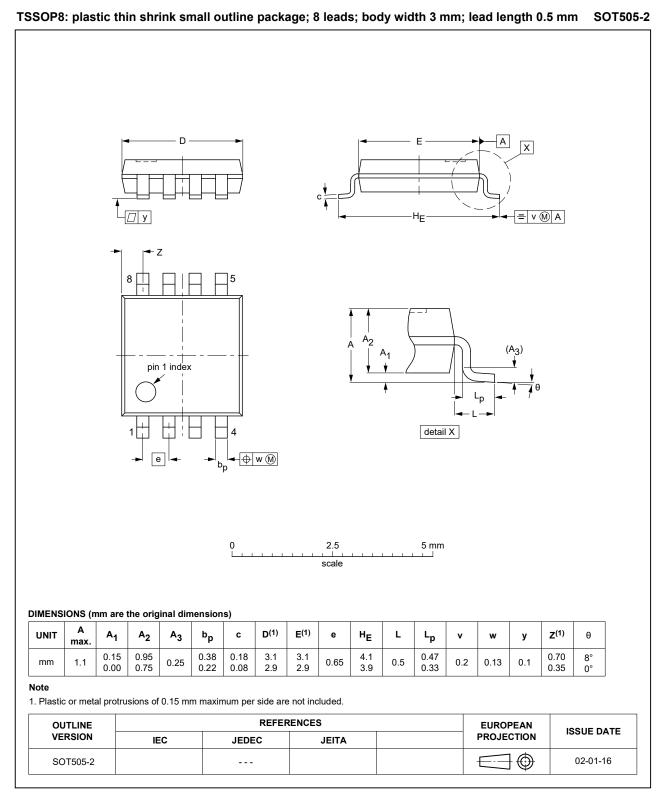


Fig. 24. Package outline SOT505-2 (TSSOP8)

74LVC2G66

Bilateral switch

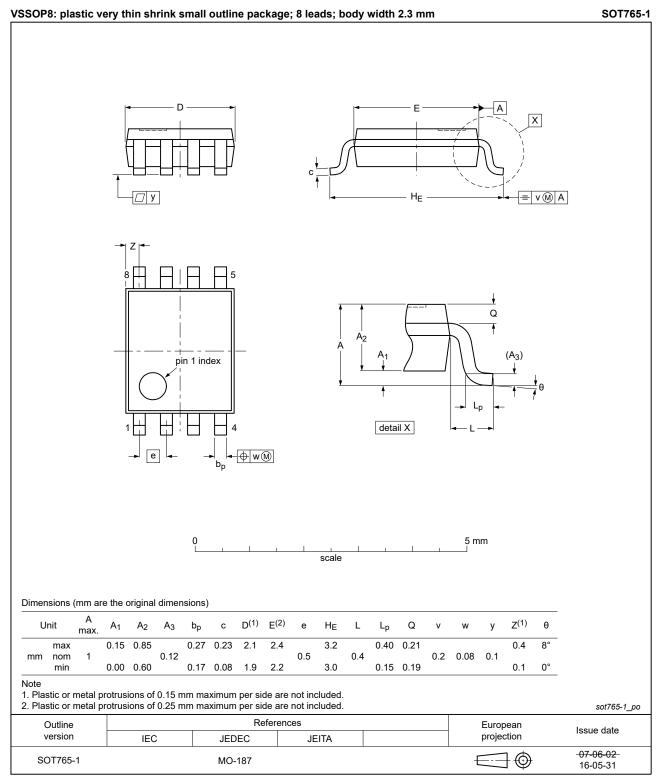
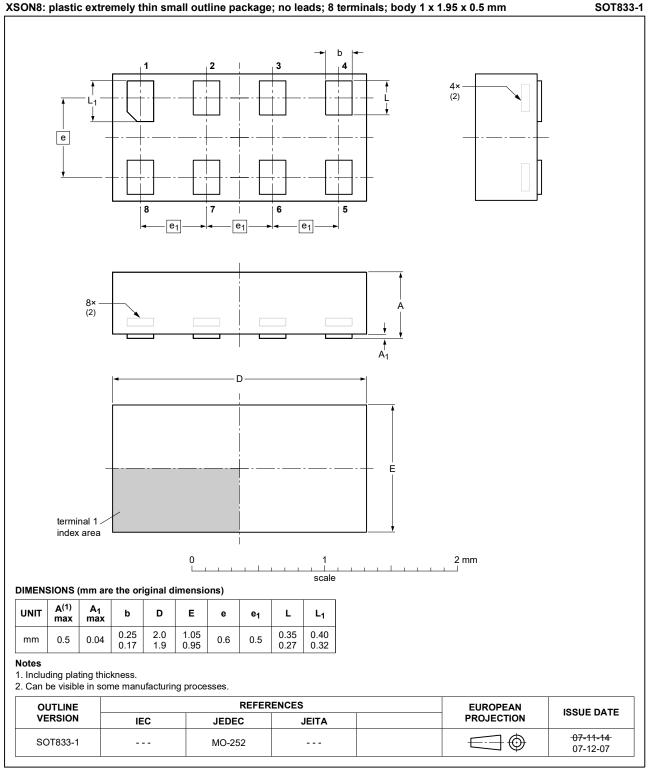


Fig. 25. Package outline SOT765-1 (VSSOP8)

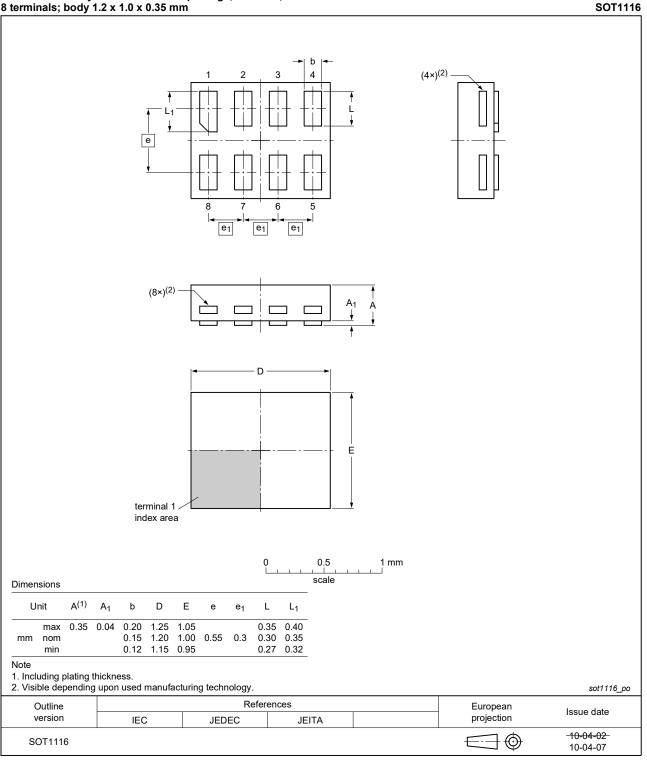
Bilateral switch





Bilateral switch

XSON8: extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm





13. Abbreviations

Table 13. Abbreviations				
Acronym	Description			
CMOS	Complementary Metal-Oxide Semiconductor			
DUT	Device Under Test			
ESD	ElectroStatic Discharge			
НВМ	Human Body Model			
MM	Machine Model			
TTL	Transistor-Transistor Logic			

14. Revision history

Table 14. Revision history **Document ID Release date** Data sheet status Change notice Supersedes 74LVC2G66 v.12 20210831 Product data sheet 74LVC2G66 v.11 Modifications: Section 1 and Section 2 updated. Type number 74LVC2G66GM (SOT902-2/XQFN8) removed. Section 8: Derating values for Ptot total power dissipation updated. 74LVC2G66 v.11 74LVC2G66 v.10 20181030 Product data sheet Modifications: Type number 74LVC2G66GD (XSON8/SOT996-2) removed. 74LVC2G66 v.10 20170413 Product data sheet 74LVC2G66 v.9 Modifications: The format of this data sheet has been redesigned to comply with the new identity guidelines of Nexperia. Legal texts have been adapted to the new company name where appropriate. . Type number 74LVC2G66GN (XSON8/SOT1116) has been added. 74LVC2G66 v.9 20161215 Product data sheet 74LVC2G66 v.8 Modifications: Table 7: The maximum limits for leakage current and supply current have changed. 74LVC2G66 v.8 20130402 Product data sheet 74LVC2G66 v.7 Modifications: For type number 74LVC2G66GD XSON8U has changed to XSON8. • 20120622 74LVC2G66 v.7 Product data sheet 74LVC2G66 v.6 Modifications: For type number 74LVC2G66GM the SOT code has changed to SOT902-2. • 74I VC2G66 v.6 74I VC2G66 v.5 20111129 Product data sheet Modifications: Legal pages updated. • 74LVC2G66 v.5 Product data sheet 74LVC2G66 v.4 20100616 74LVC2G66 v.4 Product data sheet 74LVC2G66 v.3 20080701 _ 74LVC2G66 v.3 20080310 Product data sheet 74LVC2G66 v.2 Product data sheet 74LVC2G66 v.2 20070828 74LVC2G66 v.1 74LVC2G66 v.1 20040629 Product data sheet

Bilateral switch

15. Legal information

Data sheet status

Document status [1][2]	Product status [3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

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- [2] The term 'short data sheet' is explained in section "Definitions".
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