Bilateral switch Rev. 11 — 30 October 2018

1. General description

The 74LVC2G66 is a low-power, low-voltage, high-speed Si-gate CMOS device.

The 74LVC2G66 provides two single pole, single-throw analog switch functions. Each switch has two input/output terminals (nY and nZ) and an active HIGH enable input (nE). When nE is LOW, the analog switch is turned off.

Schmitt trigger action at the enable inputs makes the circuit tolerant of slower input rise and fall times across the entire V_{CC} range from 1.65 V to 5.5 V.

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
- High noise immunity
- CMOS low power consumption
- TTL interface compatibility at 3.3 V
- Latch-up performance meets requirements of JESD78 Class I
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Enable input accepts voltages up to 5.5 V
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

3. Ordering information

Table 1. Ordering information

Type number	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 x 1.95 x 0.5 mm	SOT833-1				
74LVC2G66GM	-40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm	SOT902-2				
74LVC2G66GN	-40 °C to +125 °C	XSON8	extremely thin small outline package; no leads; 8 terminals; body 1.2 x 1.0 x 0.35 mm	SOT1116				

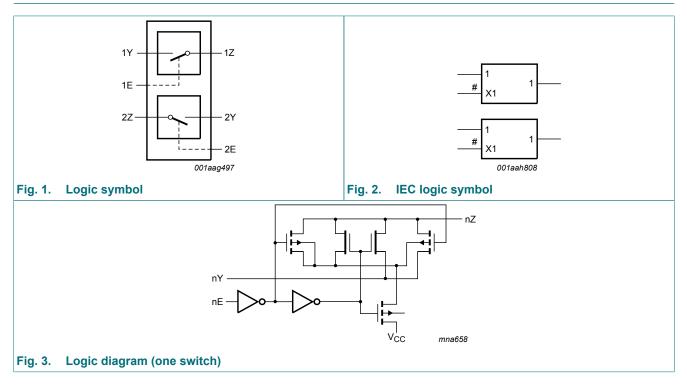


4. Marking

Type number	Marking code[1]
74LVC2G66DP	V66
74LVC2G66DC	V66
74LVC2G66GT	V66
74LVC2G66GM	V66
74LVC2G66GN	VL

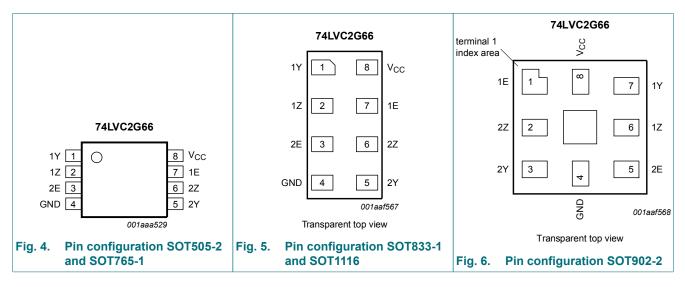
[1] The pin 1 indicator is located on the lower left corner of the device, below the marking code.

5. Functional diagram



6. Pinning information





6.2. Pin description

Symbol	Pin	Description	
	SOT505-2, SOT765-1, SOT833-1 and SOT1116	SOT902-2	
1Y	1	7	independent input or output
1Z	2	6	independent input or output
2E	3	5	enable input (active HIGH)
GND	4	4	ground (0 V)
2Y	5	3	independent input or output
2Z	6	2	independent input or output
1E	7	1	enable input (active HIGH)
V _{CC}	8	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

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 TSSOP8 package: above 55 °C the value of P_{tot} derates linearly with 2.5 mW/K.

For VSSOP8 package: above 110 °C the value of P_{tot} derates linearly with 8 mW/K.

For XSON8 and XQFN8 packages: above 118 °C the value of Ptot derates linearly with 7.8 mW/K.

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.

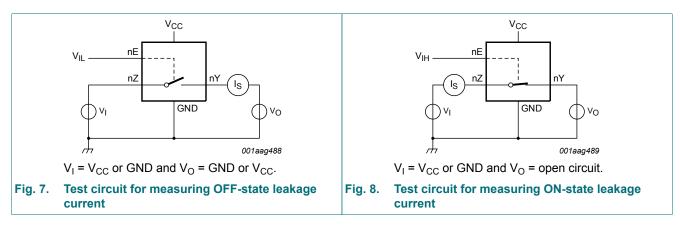
10. Static characteristics

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	Unit	
			Min	Typ[1]	Max	Min	Max	-
VIH	HIGH-level input	V _{CC} = 1.65 V to 1.95 V	0.65×V _{CC}	-	-	$0.65 \times V_{CC}$	-	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	0.7×V _{CC}	-	-	0.7×V _{CC}	-	V
V _{IL}	LOW-level input	V _{CC} = 1.65 V to 1.95 V	-	-	$0.35 \times V_{CC}$	-	$0.35 \times V_{CC}$	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	-	-	0.3×V _{CC}	-	0.3×V _{CC}	V
l _l	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. 7</u> . [2] -	±0.1	±0.2	-	±0.5	μA
I _{S(ON)}	ON-state leakage current	V _{CC} = 5.5 V; see <u>Fig. 8</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; $V_1 = V_{CC} - 0.6 V;$ [$V_{SW} = GND \text{ or } V_{CC};$ $V_{CC} = 5.5 V$	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



10.2. ON resistance

Table 8. ON resistance

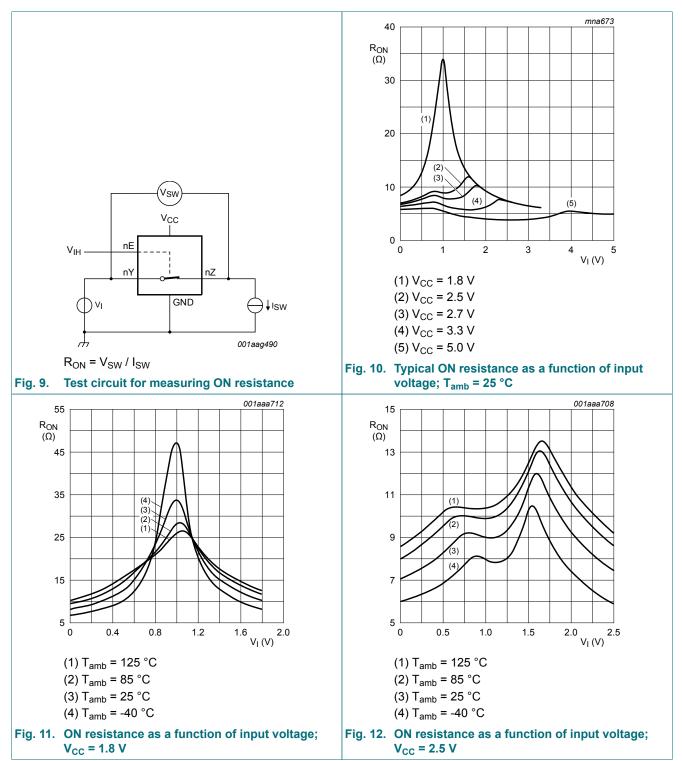
At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Fig. 10 to Fig. 15.

Symbol	Parameter	Conditions	-40 °C to +85 °C			-40 °C to	Unit	
				Typ[1]	Мах	Min	Max	
R _{ON(peak)} ON resistance		V_1 = GND to V_{CC} ; see <u>Fig. 9</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. 9</u>						
(rail)	(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. 9</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	$V_1 = GND \text{ to } V_{CC}$ [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.

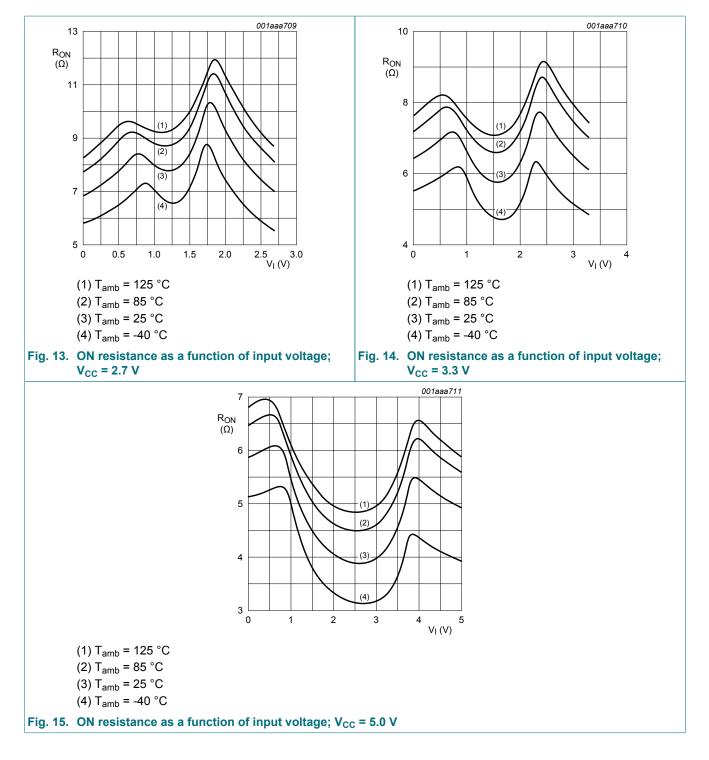
Bilateral switch



10.3. ON resistance test circuit and graphs

74LVC2G66

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. 18.

Symbol	Parameter Conditions			-40 °C to +85 °C			-40 °C to	Unit	
				Min	Typ[1]	Max	Min	Max	
t _{pd}	propagation delay	nY to nZ or nZ to nY; see <u>Fig. 16</u> .	[2][3]						
		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 Fig. 17.	[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 Fig. 17.	[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 pF; f _i = 10 MHz; V _I = GND to V _{CC}	[6]						
	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 μ W). [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 × f₀} = sum of the outputs.

11.1. Waveforms and test circuit

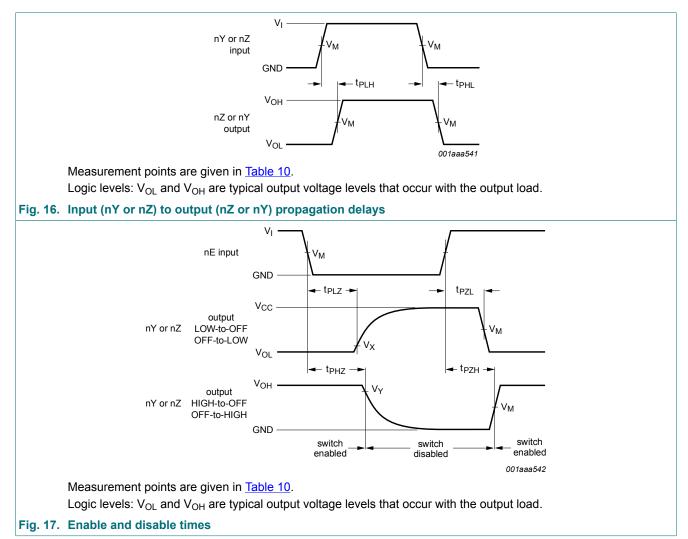
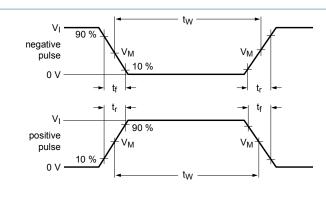
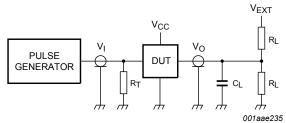


Table 10. Measurement poi	nts
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Supply voltage	Input	Output	Output					
V _{cc}	V _M	V _M	V _X	V _Y				
1.65 V to 1.95 V	0.5 × V _{CC}	$0.5 \times V_{CC}$	V _{OL} + 0.15 V	V _{OH} - 0.15 V				
2.3 V to 2.7 V	0.5 × V _{CC}	$0.5 \times V_{CC}$	V _{OL}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

Bilateral switch





Test data is given in Table 11.

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. 18. Test circuit for measuring switching times

Table 11. Test data

Supply voltage	Input		Load		V _{EXT}	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	$2 \times V_{CC}$	
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	$2 \times V_{CC}$	

11.2. Additional dynamic characteristics

Table 12. Additional dynamic characteristics

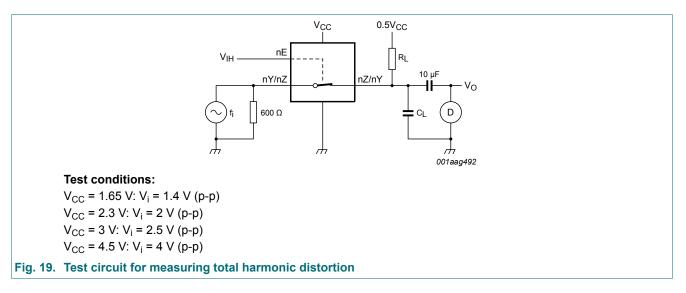
At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

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. 19</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. 19</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. 20</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 <u>Fig. 20</u> .				
		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. 20</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 Fig. 21.				-
		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. 21</u> .				+
		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

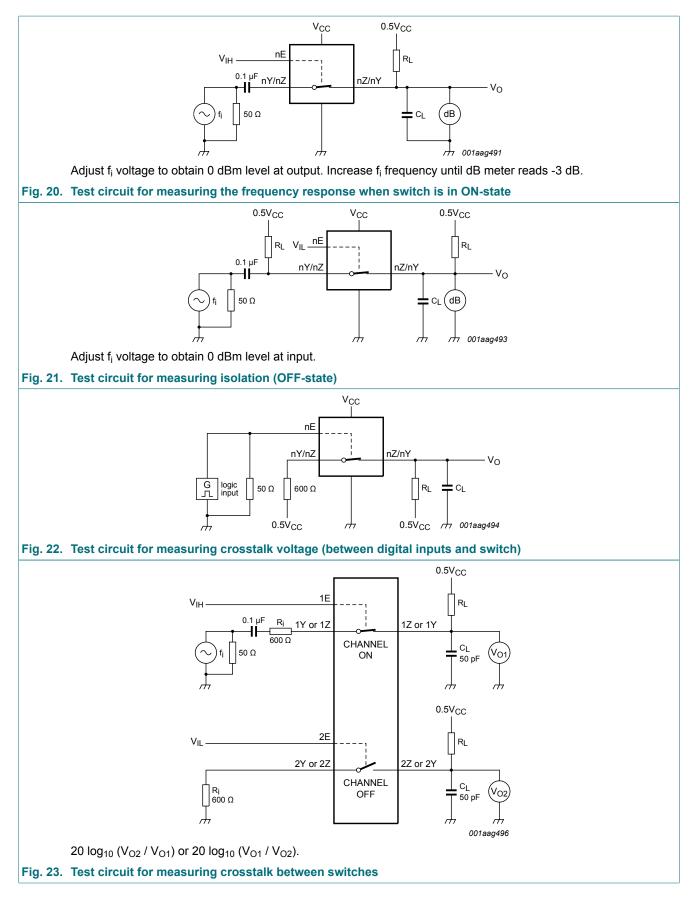
Bilateral switch

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. 22.				
		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. 23.				
		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. 23.				
		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	C_L = 0.1 nF; V _{gen} = 0 V; R _{gen} = 0 Ω; f _i = 1 MHz; R _L = 1 MΩ; see Fig. 24.				
		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

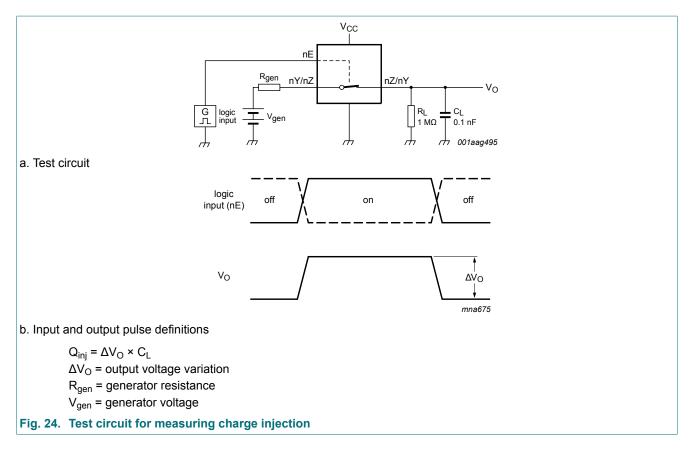


Bilateral switch



74LVC2G66

Bilateral switch



12. Package outline

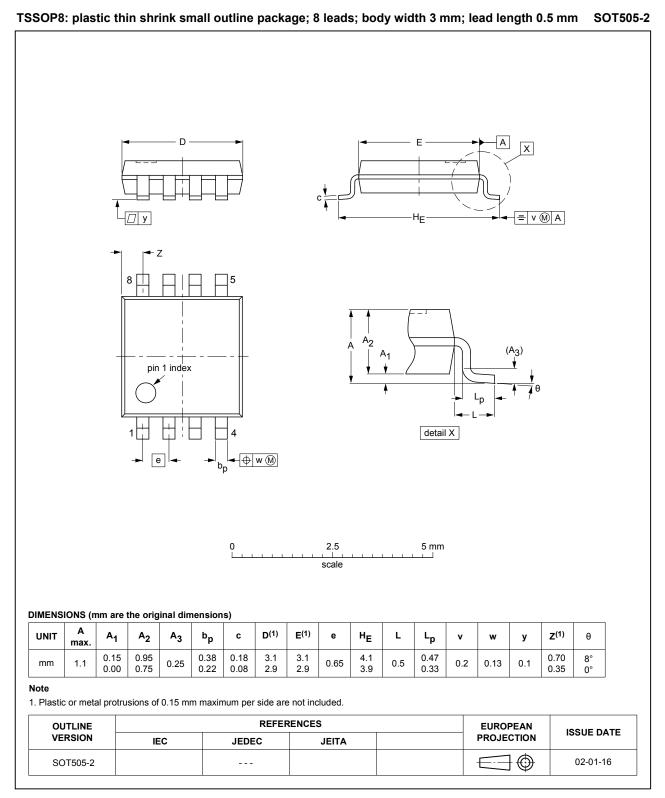


Fig. 25. Package outline SOT505-2 (TSSOP8)

74LVC2G66

Bilateral switch

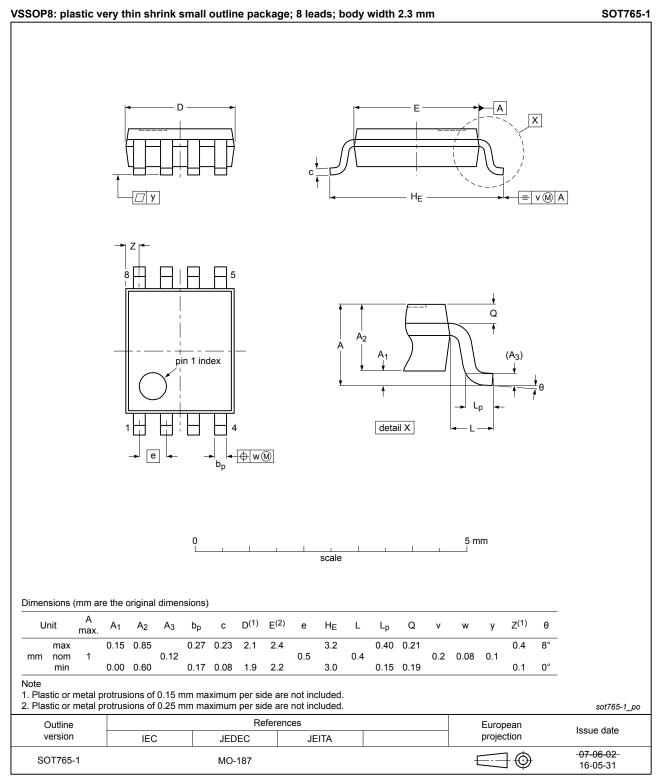
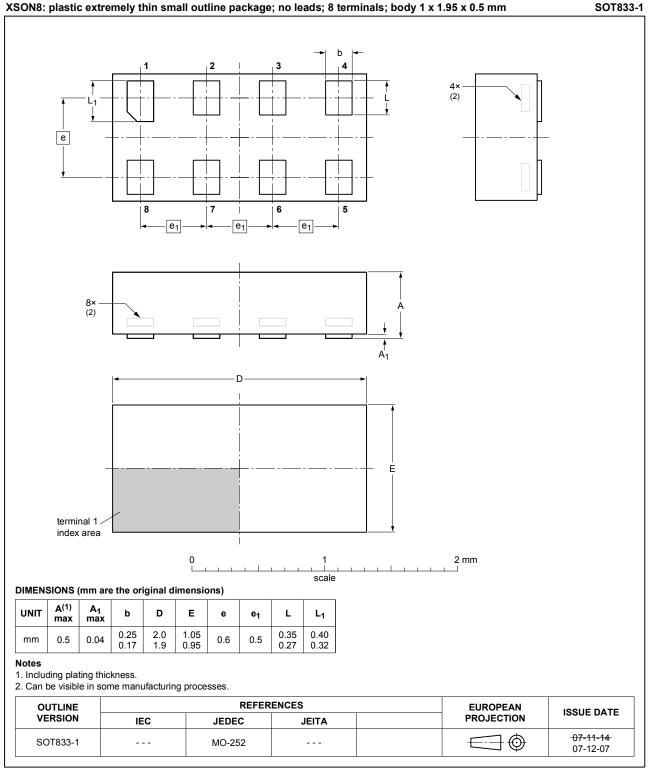


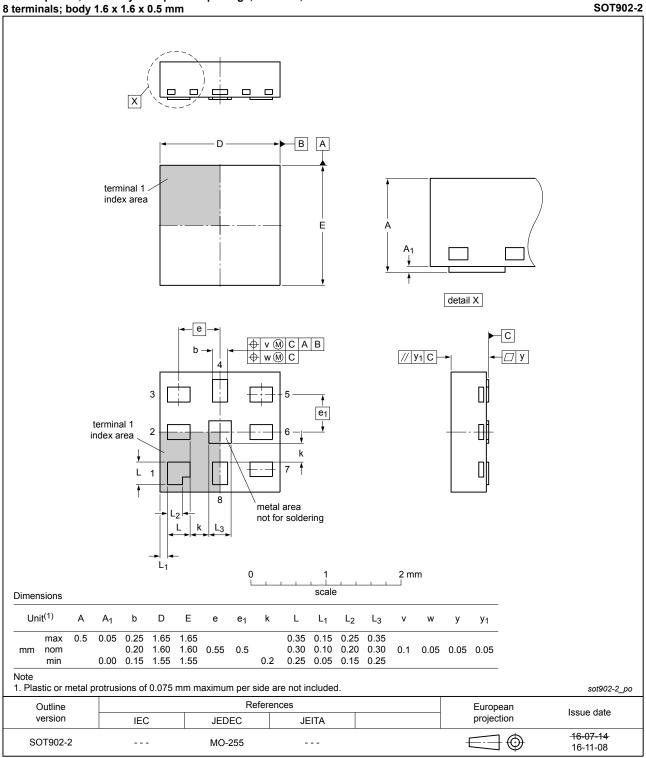
Fig. 26. Package outline SOT765-1 (VSSOP8)

Bilateral switch





Bilateral switch

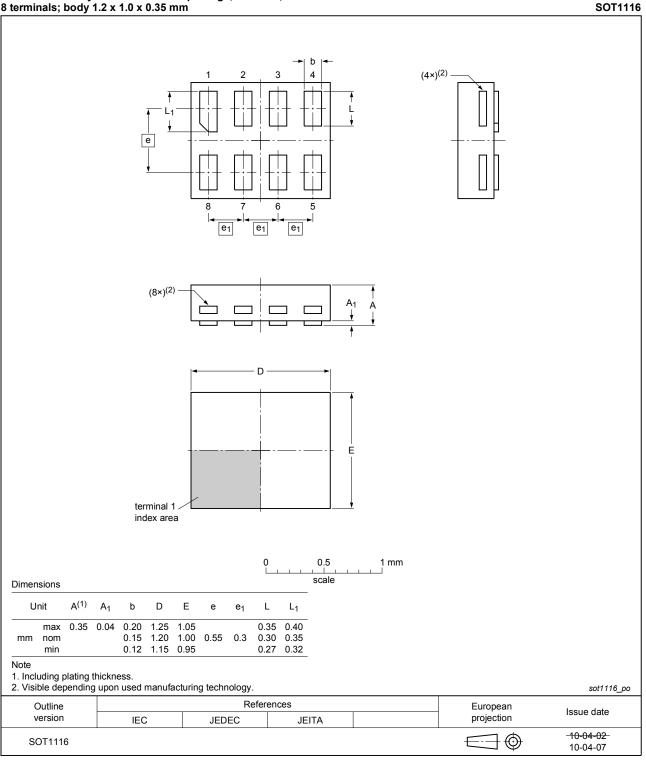


XQFN8: plastic, extremely thin quad flat package; no leads; 8 terminals; body 1.6 x 1.6 x 0.5 mm

Fig. 28. Package outline SOT902-2 (XQFN8)

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.11	20181030	Product data sheet	-	74LVC2G66 v.10
Modifications:	Type numb	er 74LVC2G66GD (XSON8/SC) DT996-2) remo	oved.
74LVC2G66 v.10	20170413	Product data sheet	-	74LVC2G66 v.9
Modifications:	guidelines Legal texts 	of this data sheet has been re of Nexperia. have been adapted to the new er 74LVC2G66GN (XSON8/SC	/ company nai	me where appropriate.
74LVC2G66 v.9	20161215	Product data sheet	-	74LVC2G66 v.8
Modifications:	• <u>Table 7</u> : Th	e maximum limits for leakage	current and su	pply current have changed.
74LVC2G66 v.8	20130402	Product data sheet	-	74LVC2G66 v.7
Modifications:	For type nu	imber 74LVC2G66GD XSON8	U has change	d to XSON8.
74LVC2G66 v.7	20120622	Product data sheet	-	74LVC2G66 v.6
Modifications:	For type nu	imber 74LVC2G66GM the SO	r code has cha	anged to SOT902-2.
74LVC2G66 v.6	20111129	Product data sheet	-	74LVC2G66 v.5
Modifications:	Legal page	s updated.		
74LVC2G66 v.5	20100616	Product data sheet	-	74LVC2G66 v.4
74LVC2G66 v.4	20080701	Product data sheet	-	74LVC2G66 v.3
74LVC2G66 v.3	20080310	Product data sheet	-	74LVC2G66 v.2
74LVC2G66 v.2	20070828	Product data sheet	-	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.

 Please consult the most recently issued document before initiating or completing a design.

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

[3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the internet at <u>https://www.nexperia.com</u>.

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