Overvoltage tolerant bilateral switch Rev. 6 — 22 July 2015

Product data sheet

General description 1.

The 74LVCV2G66 is a low-power, low-voltage, high-speed Si-gate CMOS device.

The 74LVCV2G66 provides two single pole single throw analog or digital switches. Each switch includes an overvoltage tolerant input/output terminal (pin nZ), an output/input terminal (pin nY) and low-power active HIGH enable input (pin nE).

The overvoltage tolerant switch terminals allow the switching of signals in excess of V_{CC} . The low-power enable input eliminates the necessity of using current limiting resistors in portable applications when using control logic signals much lower than V_{CC}. These inputs are also overvoltage tolerant.

Features and benefits 2.

- Wide supply voltage range from 2.3 V to 5.5 V
- Ultra low-power operation
- Very low ON resistance:
 - 8.0 Ω (typical) at V_{CC} = 2.7 V
 - 7.5 Ω (typical) at V_{CC} = 3.3 V
 - 7.3 Ω (typical) at V_{CC} = 5.0 V.
- 5 V tolerant input for interfacing with 5 V logic
- High noise immunity
- Switch handling capability of 32 mA
- CMOS low-power consumption
- Latch-up performance exceeds 250 mA
- Incorporates overvoltage tolerant analog switch technology
- Switch accepts voltages up to 5.5 V independent of V_{CC}
- Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C



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3. Ordering information

Table 1. Ordering information

Type number	Package								
	Temperature range	Name	Description	Version					
74LVCV2G66DP	–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					
74LVCV2G66DC	–40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8 leads; body width 2.3 mm	SOT765-1					
74LVCV2G66GT	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body 1 \times 1.95 \times 0.5 mm	SOT833-1					
74LVCV2G66GD	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package; no leads; 8 terminals; body $3 \times 2 \times 0.5$ mm	SOT996-2					
74LVCV2G66GM	–40 °C to +125 °C	XQFN8	plastic, extremely thin quad flat package; no leads; 8 terminals; body $1.6 \times 1.6 \times 0.5$ mm	SOT902-2					

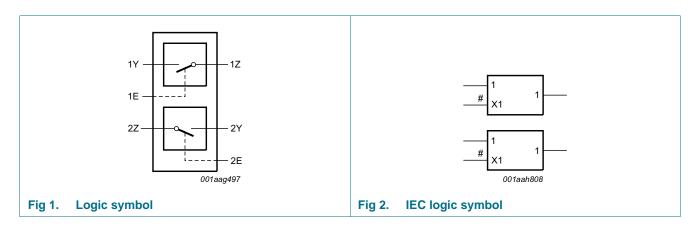
4. Marking

Table 2.Marking codes

Type number	Marking code ^[1]
74LVCV2G66DP	Y66
74LVCV2G66DC	Y66
74LVCV2G66GT	Y66
74LVCV2G66GD	Y66
74LVCV2G66GM	Y66

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

5. Functional diagram



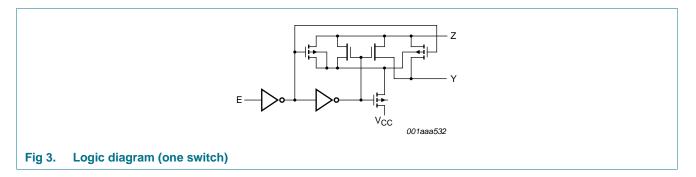
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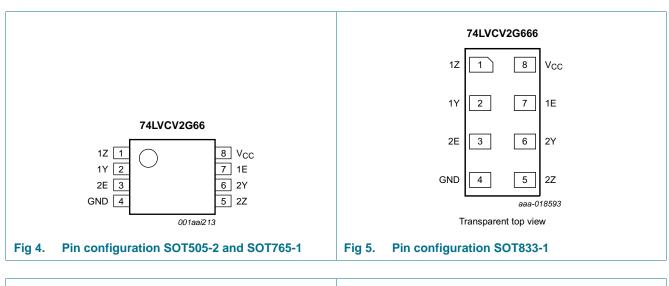
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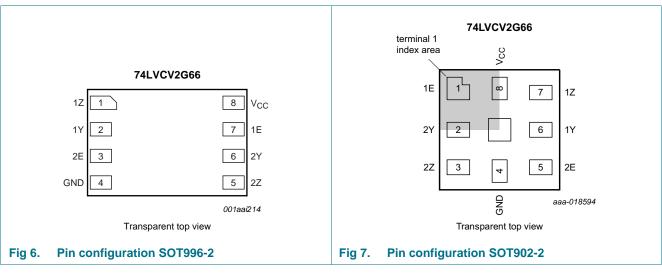
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6. Pinning information







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6.2 Pin description

Symbol	Pin		Description
	SOT505-2, SOT765-1, SOT996-2 and SOT833-1	SOT902-2	
1Z	1	7	independent input or output (overvoltage tolerant)
1Y	2	6	independent input or output
2E	3	5	enable input (active HIGH)
GND	4	4	ground (0 V)
2Z	5	3	independent input or output (overvoltage tolerant)
2Y	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

Input nE	Switch
L	OFF-state
Н	ON-state

[1] H = HIGH voltage level; L = LOW voltage level.

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		<u>[1]</u>	-0.5	+6.5	V
I _{IK}	input clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > 6.5 V		-50	-	mA
I _{SK}	switch clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > 6.5 V		-	±50	mA
V _{SW}	switch voltage	enable and disable mode		-0.5	+6.5	V
I _{SW}	switch current	V_{SW} > -0.5 V or V_{SW} < 6.5 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	$T_{amb} = -40 \ ^{\circ}C \text{ to } +125 \ ^{\circ}C$	[2]	-	250	mW

[1] The input and output voltage ratings may be exceeded if the input and output current ratings are observed.

[2] For TSSOP8 package: above 55 °C, the value of Ptot 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 $^\circ$ C, the value of P_{tot} derates linearly with 7.8 mW/K.

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9. Recommended operating conditions

Symbol	Parameter	Conditions		Min	Тур	Max	Unit
V _{CC}	supply voltage			2.3	-	5.5	V
VI	input voltage			0	-	5.5	V
V _{SW}	switch voltage	enable and disable mode	<u>[1]</u>	0	-	5.5	V
T _{amb}	ambient temperature			-40	-	+125	°C
$\Delta t / \Delta V$	input transition rise and fall rate	V_{CC} = 2.3 V to 2.7 V	[2]	-	-	20	ns/V
		V_{CC} = 2.7 V to 5.5 V	[2]	-	-	10	ns/V

Table 6. Recommended operating conditions

[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 flows from terminal nY. In this case, there is no limit for the voltage drop across the switch.

[2] 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 <mark>[1]</mark>	Max	Min	Max	-
VIH	HIGH-level	V_{CC} = 2.3 V to 2.7 V		0.6V _{CC}	-	-	0.6V _{CC}	-	V
	input voltage	V _{CC} = 3.0 V to 3.6 V		2.0	-	-	2.0	-	V
		$V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$		$0.55V_{CC}$	-	-	$0.55V_{CC}$	-	V
VIL	LOW-level	V_{CC} = 2.3 V to 2.7 V		-	-	0.1V _{CC}	-	0.1V _{CC}	V
	input voltage	V _{CC} = 3.0 V to 3.6 V		-	-	0.5	-	0.5	V
		V_{CC} = 4.5 V to 5.5 V		-	-	$0.15V_{CC}$	-	$0.15V_{CC}$	V
I	input leakage current	pin nE; V _I = 5.5 V or GND; V _{CC} = 0 V to 5.5 V	[2]	-	±0.1	±5	-	±5	μA
I _{S(OFF)}	OFF-state leakage current	V_{CC} = 2.3 V to 5.5 V; see <u>Figure 8</u>	<u>[2][3]</u>	-	±0.1	±10	-	±10	μΑ
I _{S(ON)}	ON-state leakage current	V_{CC} = 2.3 V to 5.5 V; see <u>Figure 9</u>	[2][3]	-	±0.1	±10	-	±10	μΑ
I _{CC}	supply current	$V_{I} = 5.5 V \text{ or GND};$ $V_{SW} = GND \text{ or } V_{CC};$ $V_{CC} = 2.3 V \text{ to } 5.5 V$	[2]	-	0.1	10	-	40	μΑ
Δl _{CC}	additional supply current	pin nE; $V_I = V_{CC} - 0.6 V$; $V_{SW} = GND \text{ or } V_{CC}$; $V_{CC} = 3.0 V \text{ to } 5.5 V$	[2]	-	0.1	5	-	50	μΑ
CI	input capacitance			-	2.5	-	-	-	pF
$C_{S(OFF)}$	OFF-state capacitance			-	8.0	-	-	-	pF

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Table 7. Static characteristics ...continued

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

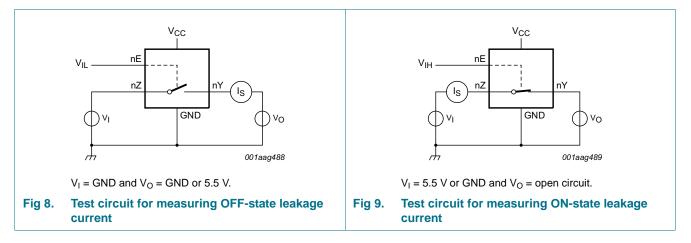
Symbol	Parameter	Conditions	40 °	°C to +85	5 °C	–40 °C to	Unit	
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
C _{S(ON)}	ON-state capacitance		-	16	-	-	-	pF

[1] All typical values are measured at $T_{amb} = 25 \ ^{\circ}C$.

[2] These typical values are measured at $V_{CC} = 3.3$ V.

[3] For overvoltage signals ($V_{SW} > V_{CC}$), the condition $V_Y < V_Z$ must be observed.

10.1 Test circuits



10.2 ON resistance

Table 8. Resistance R_{ON}

At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graphs see Figure 11 and Figure 12.

Symbol	Parameter	Conditions	-40	°C to +8	35 °C	–40 °C to	• +125 ℃	Unit		
				Typ <mark>[1]</mark>	Max	Min	Max			
R _{ON(peak)}	ON resistance	$V_{SW} = GND$ to V_{CC} ; $V_I = V_{IH}$; see Figure 10								
	(peak)	I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	13	30	-	30	Ω		
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	10	25	-	25	Ω		
		I_{SW} = 24 mA; V_{CC} = 3.0 V to 3.6 V	-	8.3	20	-	20	Ω		
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	7.4	15	-	15	Ω		
R _{ON(rail)}	ON resistance (rail)	$V_{SW} = GND; V_I = V_{IH}; see Figure 10$								
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	8.5	20	-	20	Ω		
		$I_{SW} = 12 \text{ mA}; V_{CC} = 2.7 \text{ V}$	-	8.0	18	-	18	Ω		
		I_{SW} = 24 mA; V_{CC} = 3.0 V to 3.6 V	-	7.5	15	-	15	Ω		
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	7.3	10	-	10	Ω		
		$V_{SW} = V_{CC}; V_I = V_{IH}$					1			
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	8.5	20	-	20	Ω		
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	7.2	18	-	18	Ω		
		I_{SW} = 24 mA; V_{CC} = 3.0 V to 3.6 V	-	6.5	15	-	15	Ω		
		I_{SW} = 32 mA; V_{CC} = 4.5 V to 5.5 V	-	5.7	10	-	10	Ω		

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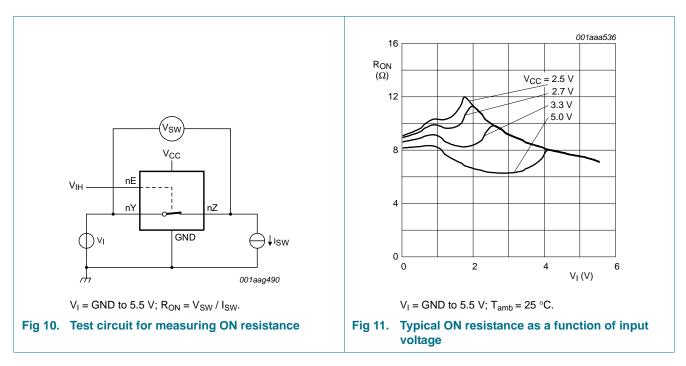
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Symbol	Parameter	Conditions	–40 °C to +85 °C		–40 °C to +125 °C		Unit	
			Min	Typ[1]	Max	Min	Max	
R _{ON(flat)} ON resistance	$V_{SW} = GND$ to V_{CC} ; $V_I = V_{IH}$ [2]							
	(flatness)	$I_{SW} = 8 \text{ mA}; V_{CC} = 2.5 \text{ V}$	-	17	-	-	-	Ω
		I_{SW} = 12 mA; V_{CC} = 2.7 V	-	10	-	-	-	Ω
		$I_{SW} = 24 \text{ mA}; V_{CC} = 3.3 \text{ V}$	-	5	-	-	-	Ω
		$I_{SW} = 32 \text{ mA}; V_{CC} = 5.0 \text{ V}$	-	3	-	-	-	Ω

Table 8. Resistance Ron ... continued

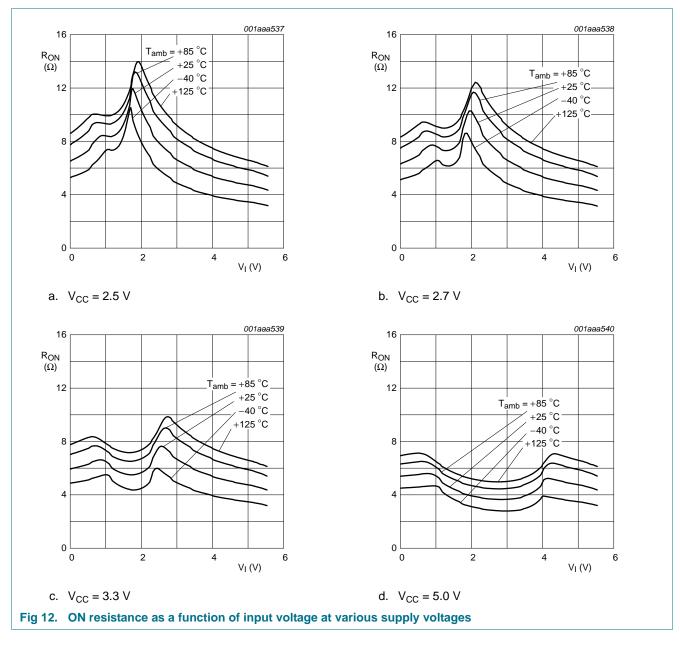
[1] All typical values are measured at $T_{amb} = 25 \text{ °C}$ and nominal V_{CC} .

Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V_{CC} and [2] temperature.



10.3 ON resistance test circuit and graphs

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11. Dynamic characteristics

Table 9. Dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit, see Figure 15.

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 Figure 13	<u>3 [2][3]</u>					
		$V_{CC} = 2.3 \text{ V to } 2.7 \text{ V}$	-	0.4	1.2	-	2.0	ns
		$V_{CC} = 2.7 V$	-	0.4	1.0	-	1.5	ns
		$V_{CC} = 3.0 \text{ V} \text{ to } 3.6 \text{ V}$	-	0.3	0.8	-	1.5	ns
		$V_{CC} = 4.5 \text{ V} \text{ to } 5.5 \text{ V}$	-	0.2	0.6	-	1.0	ns

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Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to	o +125 ℃	Unit		
			Min	Typ <mark>[1]</mark>	Max	Min	Max			
t _{en}	enable time	nE to nY or nZ; see Figure 14 [4]								
		V_{CC} = 2.3 V to 2.7 V	1.0	4.7	12	1.0	15	ns		
		$V_{CC} = 2.7 V$	1.0	4.4	8.5	1.0	11	ns		
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	1.0	3.8	7.5	1.0	9.5	ns		
	V_{CC} = 4.5 V to 5.5 V	1.0	2.7	5.0	1.0	6.5	ns			
t _{dis}	disable time	nE to nY or nZ; see Figure 14 ^[5]								
		V_{CC} = 2.3 V to 2.7 V	1.0	6.0	16	1.0	20	ns		
		$V_{CC} = 2.7 V$	1.0	7.9	15	1.0	19	ns		
		$V_{CC} = 3.0 \text{ V to } 3.6 \text{ V}$	1.0	6.5	13.5	1.0	17	ns		
		V_{CC} = 4.5 V to 5.5 V	1.0	4.4	9.0	1.0	11.5	ns		
C _{PD}	power dissipation	$C_{L} = 50 \text{ pF}; f_{i} = 10 \text{ MHz}; V_{I} = \text{GND}$	to 5.5 V 🕻	6]						
	capacitance	$V_{CC} = 2.5 V$	-	9.7	-	-	-	pF		
		V _{CC} = 3.3 V	-	10.3	-	-	-	pF		
		V _{CC} = 5.0 V	-	11.3	-	-	-	pF		

Table 9. Dynamic characteristics ...continued

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit, see Figure 15.

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

[2] t_{pd} is the same as t_{PLH} and t_{PHL} .

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

- [4] t_{en} is the same as t_{PZH} and t_{PZL} .
- [5] t_{dis} is the same as t_{PLZ} and t_{PHZ} .

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

 $\mathsf{P}_{\mathsf{D}} = \mathsf{C}_{\mathsf{P}\mathsf{D}} \times \mathsf{V}_{\mathsf{C}\mathsf{C}}^2 \times \mathsf{f}_i \times \mathsf{N} + \Sigma\{(\mathsf{C}_{\mathsf{L}} + \mathsf{C}_{\mathsf{S}(\mathsf{ON})}) \times \mathsf{V}_{\mathsf{C}\mathsf{C}}^2 \times \mathsf{f}_{\mathsf{o}}\} \text{ where:}$

 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;

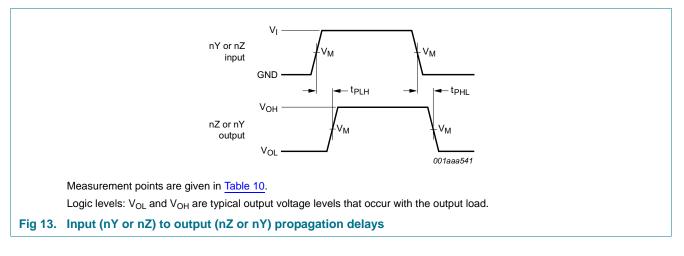
V_{CC} = supply voltage in V;

N = number of inputs switching;

 $\Sigma\{(C_L + C_{S(ON)}) \times V_{CC}{}^2 \times f_o\} = sum \text{ of the outputs.}$

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11.1 Waveforms and test circuit



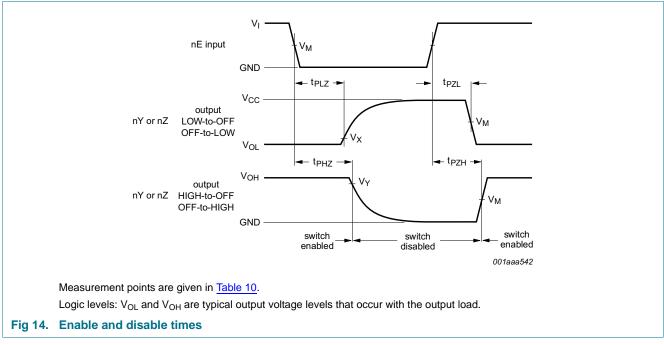


Table 10.	Measurement points
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Supply voltage	Input	Output		
V _{cc}	V _M	V _M	V _X	V _Y
2.3 V to 2.7 V	0.5V _{CC}	0.5V _{CC}	V_{OL} + 0.1 V_{CC}	$V_{OH} - 0.1 V_{CC}$
2.7 V	1.5 V	1.5 V	V _{OL} + 0.3 V	V _{OH} – 0.3 V
3.0 V to 3.6 V	1.5 V	1.5 V	V _{OL} + 0.3 V	V _{OH} – 0.3 V
4.5 V to 5.5 V	0.5V _{CC}	0.5V _{CC}	V _{OL} + 0.3 V	V _{OH} – 0.3 V

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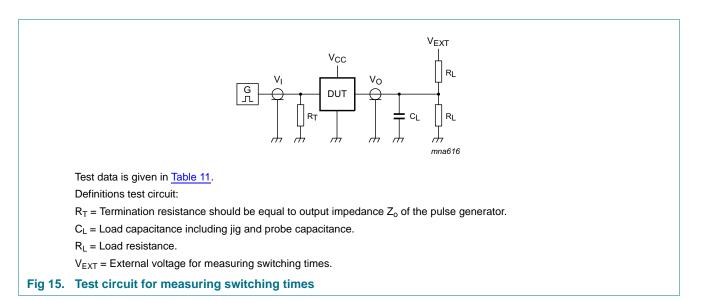


Table 11. Test data

Supply voltage	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}
2.3 V to 2.7 V	V _{CC}	\leq 2.0 ns	30 pF	500 Ω	open	GND	2V _{CC}
2.7 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6.0 V
3.0 V to 3.6 V	2.7 V	≤ 2.5 ns	50 pF	500 Ω	open	GND	6.0 V
4.5 V to 5.5 V	V _{CC}	\leq 2.5 ns	50 pF	500 Ω	open	GND	2V _{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	$f_i = 1 \text{ kHz}; R_L = 10 \text{ k}\Omega; C_L = 50 \text{ pF}; \text{ see } Figure$	9 16		1	
		$V_{CC} = 2.3 V$	-	0.42	-	%
		$V_{CC} = 3.0 V$	-	0.36	-	%
		$V_{CC} = 4.5 V$	-	0.47	-	%
		$f_i = 10 \text{ kHz}; \text{ R}_L = 10 \text{ k}\Omega; \text{ C}_L = 50 \text{ pF}; \text{ see } Figu$	re 16			
		V _{CC} = 2.3 V	-	0.11	-	%
		$V_{CC} = 3.0 V$	-	0.07	-	%
		$V_{CC} = 4.5 V$	-	0.01	-	%
f _(-3dB)	-3 dB frequency response	ponse $R_L = 600 \Omega$; $C_L = 50 pF$; see Figure 17				
		$V_{CC} = 2.3 V$	-	160	-	MHz
		$V_{CC} = 3.0 V$	-	200	-	MHz
		$V_{CC} = 4.5 V$	-	210	-	MHz
		$R_L = 50 \Omega$; $C_L = 5 pF$; see Figure 17				
		$V_{CC} = 2.3 V$	-	180	-	MHz
		V _{CC} = 3.0 V	-	180	-	MHz
		V _{CC} = 4.5 V	-	180	-	MHz

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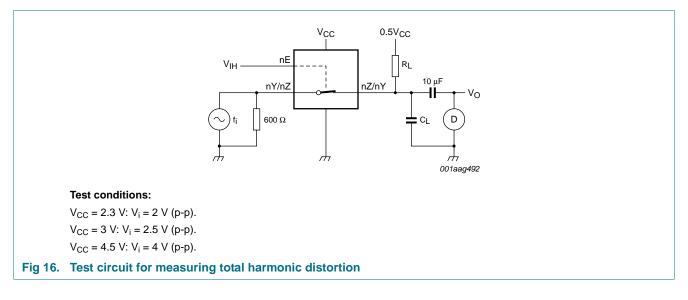
Symbol	Parameter	Conditions	Min	Тур	Max	Unit		
α_{iso}	isolation (OFF-state)	R_L = 600 Ω; C_L = 50 pF; f_i = 1 MHz; s	see Figure 18		1	-		
		$V_{CC} = 2.3 V$	-	-65	-	dB		
		V _{CC} = 3.0 V	-	-65	-	dB		
		$V_{CC} = 4.5 V$	-	-62	-	dB		
		$R_L = 50 \Omega$; $C_L = 5 pF$; $f_i = 1 MHz$; see Figure 18						
		V _{CC} = 2.3 V	-	-37	-	dB		
		V _{CC} = 3.0 V	-	-36	-	dB		
		$V_{CC} = 4.5 V$	-	-36	-	dB		
V _{ct}	crosstalk voltage	between digital inputs and switch; R_L $t_r = t_f = 2$ ns; see Figure 19	= 600 Ω; C _L = 50) pF; f _i = 1	MHz;			
		$V_{CC} = 2.3 V$	-	91	-	mV		
		V _{CC} = 3.0 V	-	119	-	mV		
		$V_{CC} = 4.5 V$	-	205	-	mV		
Xtalk	crosstalk	between switches; $R_L = 600 \Omega$; $C_L = 50 pF$; $f_i = 1 MHz$; see Figure 20						
		$V_{CC} = 2.3 V$	-	-56	-	dB		
		V _{CC} = 3.0 V	-	-55	-	dB		
		$V_{CC} = 4.5 V$	-	-55	-	dB		
		between switches; $R_L = 50 \Omega$; $C_L = 5$	pF; f _i = 1 MHz; s	ee <mark>Figure</mark>	20			
		$V_{CC} = 2.3 V$	-	-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	$M\Omega$; see	Figure 2	21		
		$V_{CC} = 2.5 V$	-	< 0.003	-	рС		
		$V_{CC} = 3.3 V$	-	0.003	-	рС		
		$V_{CC} = 4.5 V$	-	0.0035	-	рС		
		V _{CC} = 5.5 V	-	0.0035	-	рС		

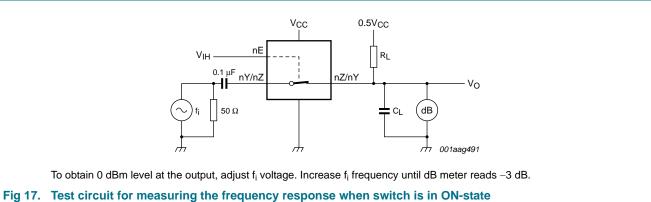
Table 12. Additional dynamic characteristics ...continued

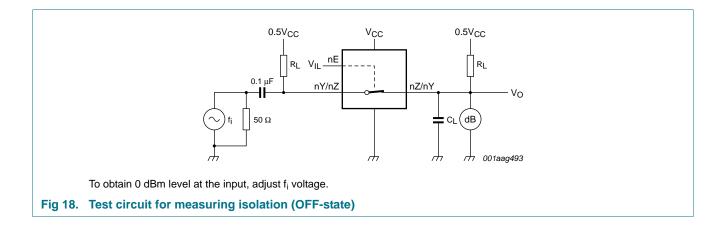
At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

Overvoltage tolerant bilateral switch

11.3 Test circuits





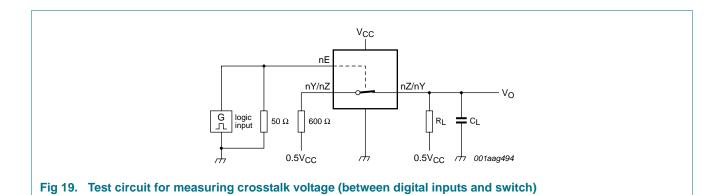


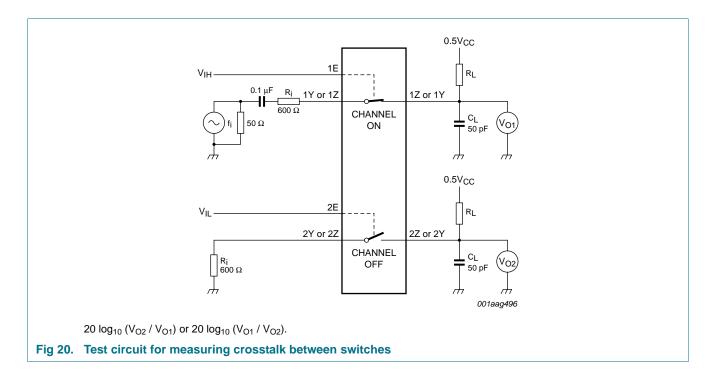
74LVCV2G66 Product data sheet

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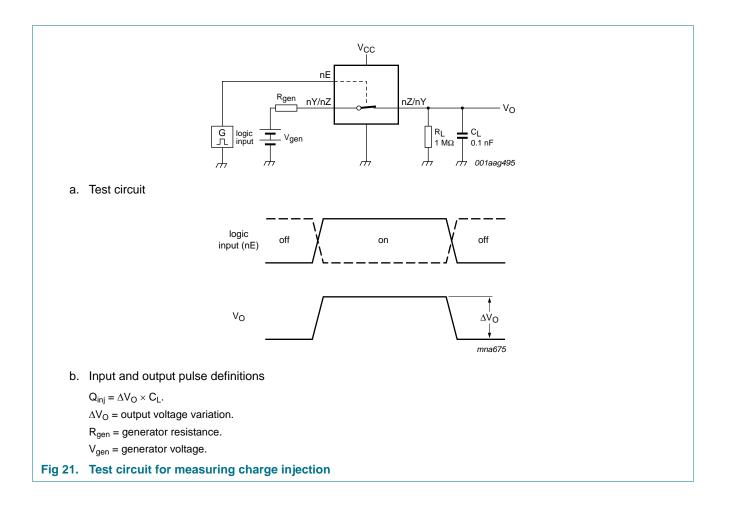




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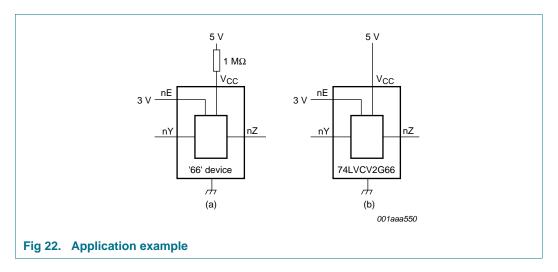


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12. Application information

The 74LVCV2G66 is used to reduce component count and footprint in low-power portable applications.

Typical '66' devices do not have low-power enable inputs causing a high ΔI_{CC} . To reduce power consumption in portable (battery) applications, a current limiting resistor is used. (see Figure 22a). The low-power enable inputs of the 74LVCV2G66 have much lower ΔI_{CC} , eliminating the necessity of the current limiting resistor (see Figure 22b).



Product data sheet

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13. Package outline

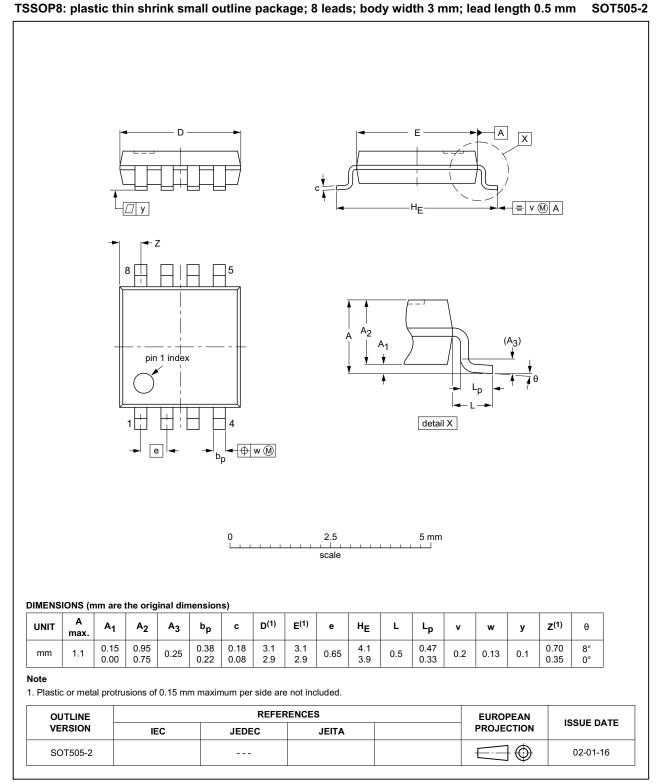


Fig 23. Package outline SOT505-2 (TSSOP8)

74LVCV2G66 Product data sheet

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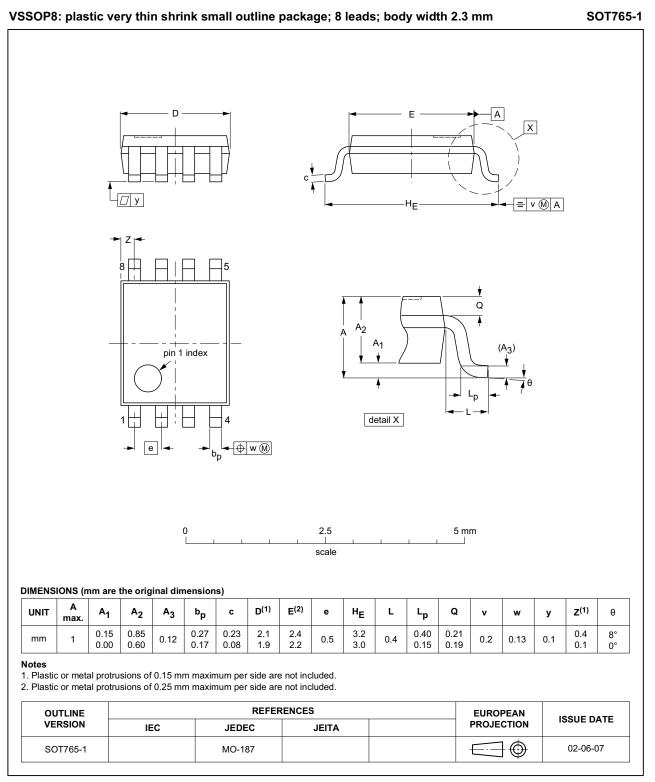


Fig 24. Package outline SOT765-1 (VSSOP8)

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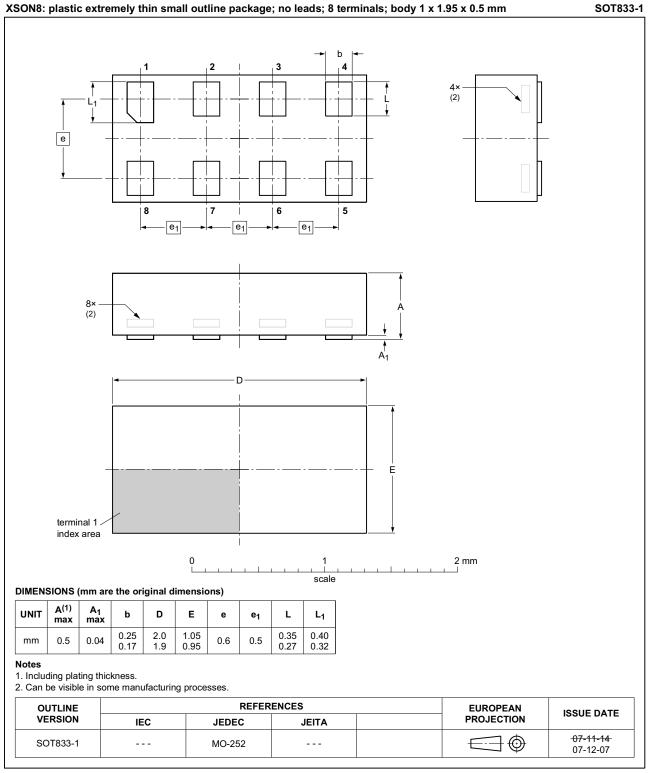
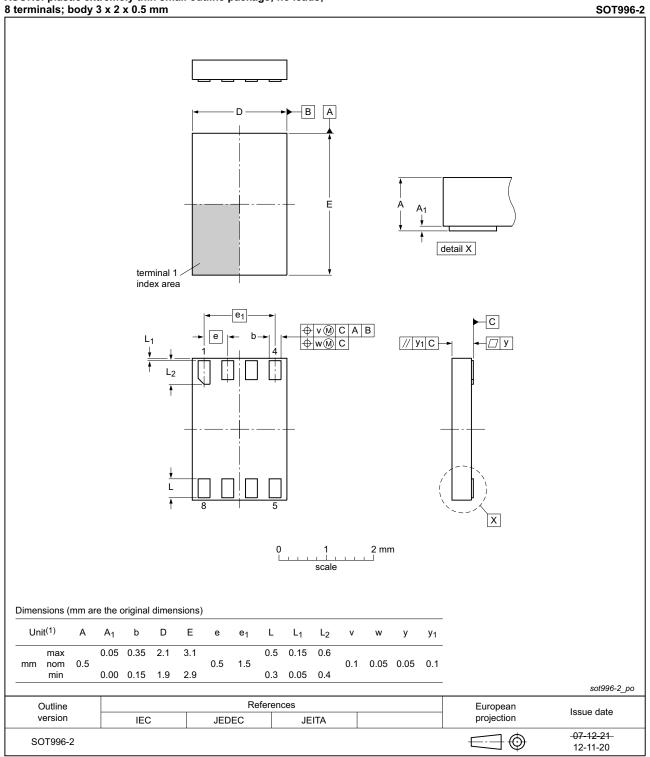


Fig 25. Package outline SOT833-1 (XSON8)

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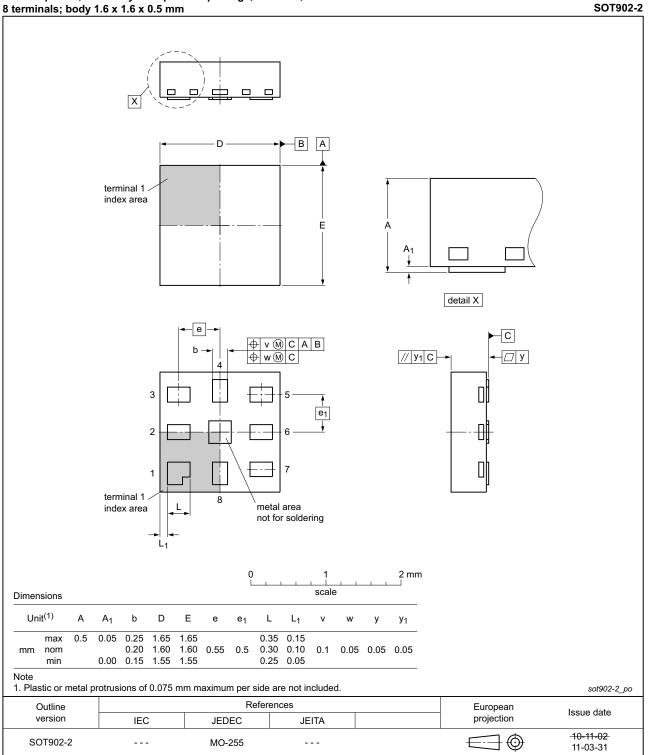


XSON8: plastic extremely thin small outline package; no leads;

Fig 26. Package outline SOT996-2 (XSON8)

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

Fig 27. Package outline SOT902-2 (XQFN8)

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14. Abbreviations

Table 13. Abbreviation	ons
Acronym	Description
CMOS	Complementary Metal-Oxide Semiconductor
DUT	Device Under Test

15. Revision history

Table 14.Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVCV2G66 v.6	20150722	Product data sheet	-	74LVCV2G66 v.5
Modifications:	 Added type 	e numbers 74LVCV2G66GT	and.74LVCV2G66GM	Λ
74LVCV2G66 v.5	20130329	Product data sheet	-	74LVCV2G66 v.4
Modifications:	 For type nu 	umber 74LVCV2G66GD XS	ON8U has changed to	XSON8.
74LVCV2G66 v.4	20111122	Product data sheet	-	74LVCV2G66 v.3
Modifications:	 Legal page 	es updated.		
74LVCV2G66 v.3	20100616	Product data sheet	-	74LVCV2G66 v.2
74LVCV2G66 v.2	20080703	Product data sheet	-	74LVCV2G66 v.1
74LVCV2G66 v.1	20040402	Product data sheet	-	-

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16. Legal information

16.1 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.

[1] 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 URL http://www.nxp.com.

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