74LVC4066

Quad bilateral switch

Rev. 8 — 22 February 2024

Product data sheet

1. General description

The 74LVC4066 is a high-speed Si-gate CMOS device.

The 74LVC4066 provides four 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 $V_{\rm CC}$ 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
- Direct interface TTL-levels
- Latch-up performance exceeds 250 mA
- Enable inputs accept voltages up to 5 V
- ESD protection:
 - HBM: ANSI/ESDA/JEDEC JS-001 class 2 exceeds 2000 V
 - CDM: ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
- · Multiple package options
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

3. Ordering information

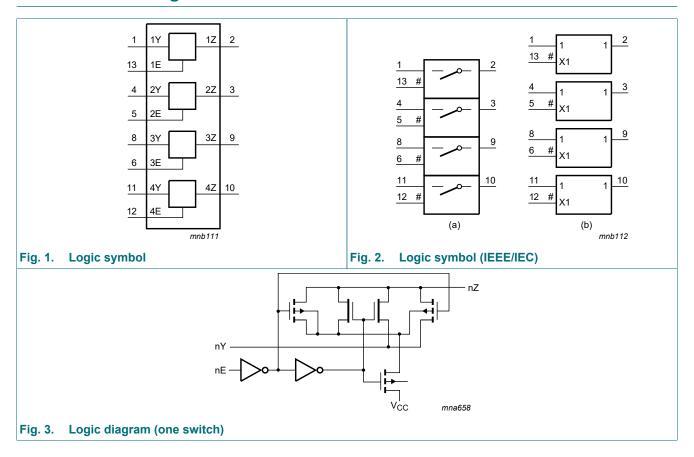
Table 1. Ordering information

Type number	Package	Package							
	Temperature range	Name	Description	Version					
74LVC4066D	-40 °C to +125 °C	SO14	plastic small outline package; 14 leads; body width 3.9 mm	SOT108-1					
74LVC4066PW	-40 °C to +125 °C	TSSOP14	plastic thin shrink small outline package; 14 leads; body width 4.4 mm	SOT402-1					
74LVC4066BQ	-40 °C to +125 °C	DHVQFN14	plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 × 3 × 0.85 mm	SOT762-1					



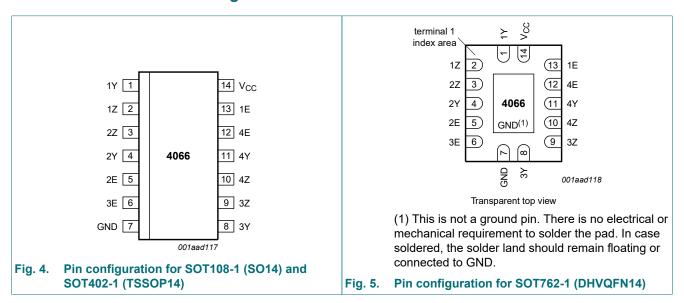
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4. Functional diagram



5. Pinning information

5.1. Pinning



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5.2. Pin description

Table 2. Pin description

Symbol	Pin	Description
1Y, 2Y, 3Y, 4Y	1, 4, 8, 11	independent input/output
1Z, 2Z, 3Z, 4Z	2, 3, 9, 10	independent output/input
1E, 2E, 3E, 4E	13, 5, 6, 12	enable input (active HIGH)
GND	7	ground (0 V)
V _{CC}	14	supply voltage

6. Functional description

Table 3. Function table

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

Input nE	Switch
L	OFF
Н	ON

7. Limiting values

Table 4. 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	$V_1 < -0.5 \text{ V or } V_1 < V_{CC} + 0.5 \text{ V}$	-50	-	mA
I _{SK}	switch clamping current	$V_1 < -0.5 \text{ V or } V_1 < V_{CC} + 0.5 \text{ V}$	-	±50	mA
V _{SW}	switch voltage	enable and disable mode [2]	-0.5	+6.5	V
I _{SW}	switch current	-0.5 < 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	$T_{amb} = -40 ^{\circ}\text{C to } +125 ^{\circ}\text{C}$ [3]	-	500	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 SOT108-1 (SO14) package: Ptot derates linearly with 10.1 mW/K above 100 °C.
 - For SOT402-1 (TSSOP14) package: P_{tot} derates linearly with 7.3 mW/K above 81 $^{\circ}\text{C}.$
 - For SOT762-1 (DHVQFN14) package: Ptot derates linearly with 9.6 mW/K above 98 °C.

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8. Recommended operating conditions

Table 5. Recommended operating conditions

Symbol	Parameter	Conditions		Min	Тур	Max	Unit
V _{CC}	supply voltage			1.65	-	5.5	V
VI	input voltage			0	-	5.5	V
V _{SW}	switch voltage		[1]	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	[2]	-	-	20	ns/V
		V _{CC} = 2.7 V to 5.5 V	[2]	-	-	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.

9. Static characteristics

Table 6. Static characteristics

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

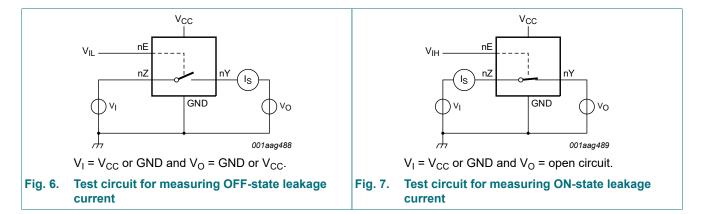
Symbol	Parameter	Conditions	-40 °C to +85 °C			-40 °C to +125 °C		Unit
			Min	Typ [1]	Max	Min	Max	
V _{IH}	HIGH-level input	V _{CC} = 1.65 V to 1.95 V	0.65V _{CC}	-	-	0.65V _{CC}	-	V
	voltage	V _{CC} = 2.3 V to 2.7 V	1.7	-	-	1.7	-	V
		V _{CC} = 2.7 V to 3.6 V	2.0	-	-	2.0	-	V
		V _{CC} = 4.5 V to 5.5 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}	-		V
l _l	input leakage current	pin nE; V_{CC} = 5.5 V; [2] V_1 = 5.5 V or GND	-	±0.1	±5	-	±20	μA
I _{S(OFF)}	OFF-state leakage current	$ V_{SW} = V_{CC} - GND; V_{CC} = 5.5 V;$ [2] see Fig. 6	-	±0.1	±5	-	±20	μΑ
I _{S(ON)}	ON-state leakage current	$ V_{SW} = V_{CC} - GND; V_{CC} = 5.5 V;$ [2] see Fig. 7	-	±0.1	±5	-	±20	μΑ
I _{CC}	supply current	$V_I = V_{CC}$ or GND; [2] $V_{SW} = GND$ or V_{CC} ; $V_{CC} = 5.5$ V	-	0.1	10	-	40	μΑ
ΔI _{CC}	additional supply current	pin nE; $V_1 = V_{CC} - 0.6 \text{ V}$; $V_{CC} = 5.5 \text{ V}$; [2] $V_{SW} = \text{GND or } V_{CC}$	-	5	500	-	5000	μΑ
Cı	input capacitance		-	12.5	-	-	-	pF
C _{S(OFF)}	OFF-state capacitance		-	8.0	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	14.0	-	-	-	pF

All typical values are measured at T_{amb} = 25 °C. These typical values are measured at V_{CC} = 3.3 V.

Applies to control signal levels.

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9.1. Test circuits



9.2. ON resistance

Table 7. ON resistance

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

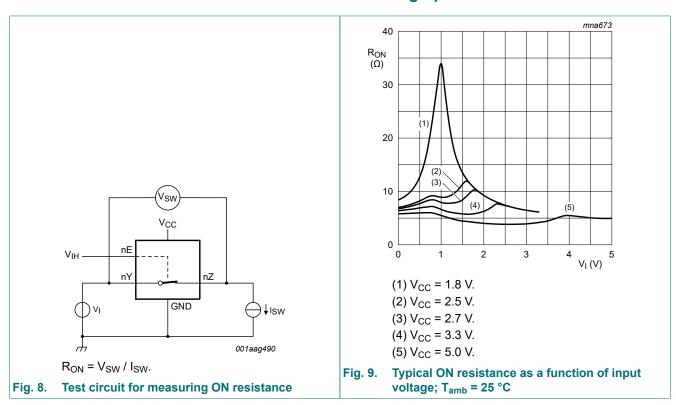
Symbol	Parameter	rameter Conditions		-40 °C to +85 °C		-40 °C to +125 °C		Unit
			Min	Typ [1]	Max	Min	Max	
R _{ON(peak)}	ON resistance	V _I = GND to V _{CC} ; see <u>Fig. 8</u>						
	(peak)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	34.0	130	-	195	Ω
		I_{SW} = 8 mA; V_{CC} = 2.3 V to 2.7 V	-	12.0	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 (rail)	V _I = GND; see <u>Fig. 8</u>						
		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

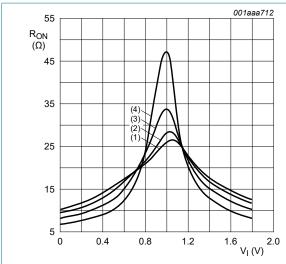
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Symbol	Parameter	Conditions		-40 °C to +85 °C			-40 °C to +125 °C	
			Min	Typ [1]	Max	Min	Max	
Ort(nat)	ON resistance	$V_I = GND \text{ to } V_{CC}$ [2]						
	(flatness)	I _{SW} = 4 mA; V _{CC} = 1.65 V to 1.95 V	-	26.0	-	-	-	Ω
		I _{SW} = 8 mA; V _{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] Typical values are measured at T_{amb} = 25 °C and nominal V_{CC}.
 [2] Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V_{CC} and temperature.

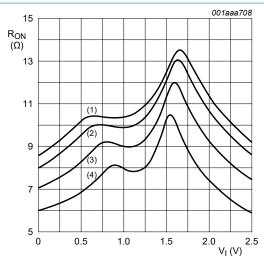
9.3. ON resistance test circuit and graphs





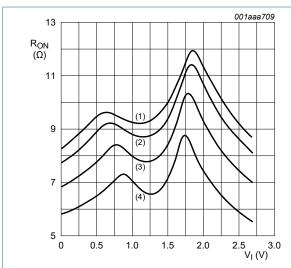
- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig. 10. ON resistance as a function of input voltage; $V_{CC} = 1.8 \text{ V}$



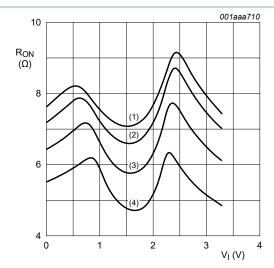
- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40$ °C.

Fig. 11. ON resistance as a function of input voltage; $V_{CC} = 2.5 \text{ V}$



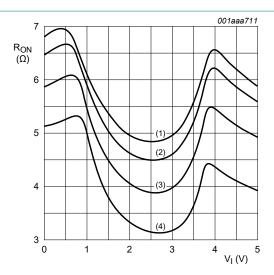
- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) T_{amb} = 85 °C.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) $T_{amb} = -40$ °C.

Fig. 12. ON resistance as a function of input voltage; $V_{CC} = 2.7 \text{ V}$



- (1) $T_{amb} = 125 \,^{\circ}C$.
- (2) $T_{amb} = 85 \, ^{\circ}C$.
- (3) $T_{amb} = 25 \, ^{\circ}C$.
- (4) T_{amb} = -40 °C.

Fig. 13. ON resistance as a function of input voltage; $V_{CC} = 3.3 \text{ V}$



- (1) $T_{amb} = 125 \, ^{\circ}C$.
- (2) T_{amb} = 85 °C.
- (3) $T_{amb} = 25$ °C.
- (4) $T_{amb} = -40 \, ^{\circ}C$.

Fig. 14. ON resistance as a function of input voltage; V_{CC} = 5.0 V

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10. Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions	-40	°C to +85	5 °C	-40 °C to +125 °C		Unit
			Min	Typ [1]	Max	Min	Max	
t _{pd}	propagation	nY to nZ or nZ to nY; see Fig. 15 [2] [3]						
	delay	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	8.0	-	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. 16 [4]						
		V _{CC} = 1.65 V to 1.95 V	1.0	5.3	10	1.0	12.5	ns
		V _{CC} = 2.3 V to 2.7 V	1.0	3.0	5.6	1.0	7.0	ns
		V _{CC} = 2.7 V	1.0	2.6	5.0	1.0	6.5	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	2.5	4.4	1.0	5.5	ns
		V _{CC} = 4.5 V to 5.5 V	1.0	1.9	3.9	1.0	5.0	ns
t _{dis}	disable time	nE to nY or nZ; see Fig. 16 [5]						
		V _{CC} = 1.65 V to 1.95 V	1.0	4.2	9.0	1.0	11.5	ns
		V _{CC} = 2.3 V to 2.7 V	1.0	2.4	5.5	1.0	7.0	ns
		V _{CC} = 2.7 V	1.0	3.6	6.5	1.0	8.5	ns
		V _{CC} = 3.0 V to 3.6 V	1.0	3.4	6.0	1.0	7.5	ns
		V _{CC} = 4.5 V to 5.5 V	1.0	2.5	5.0	1.0	6.5	ns
C _{PD}	power dissipation	$C_L = 50 \text{ pF}; f_i = 10 \text{ MHz};$ [6] $V_I = \text{GND to } V_{CC}$						
	capacitance	V _{CC} = 2.5 V	-	11.0	-	-	-	pF
		V _{CC} = 3.3 V	-	12.5	-	-	-	pF
		V _{CC} = 5.0 V	-	15.6	-	-	-	pF

- Typical values are measured at T_{amb} = 25 °C and nominal V_{CC} .
- 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} .
- t_{dis} is the same as t_{PLZ} and t_{PHZ} .
- C_{PD} is used to determine the dynamic power dissipation (P_D in μW).

 $P_D = C_{PD} \times V_{CC}^2 \times f_i \times N + \Sigma \{(C_L + C_{S(ON)}) \times V_{CC}^2 \times f_o\}$ where:

f_i = input frequency in MHz;

f_o = output frequency in MHz;

C_I = output load capacitance in pF;

 $C_{S(ON)}$ = maximum ON-state switch capacitance in pF;

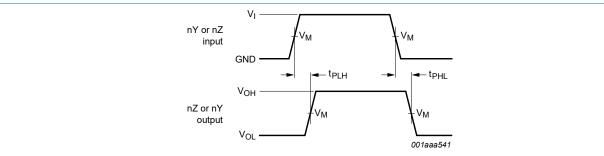
V_{CC} = supply voltage in V;

N = number of inputs switching;

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

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10.1. Waveforms and test circuit



Measurement points are given in <u>Table 9</u>.

Logic levels: V_{OL} and V_{OH} are typical output voltage levels that occur with the output load.

Fig. 15. Input (nY or nZ) to output (nZ or nY) propagation delays

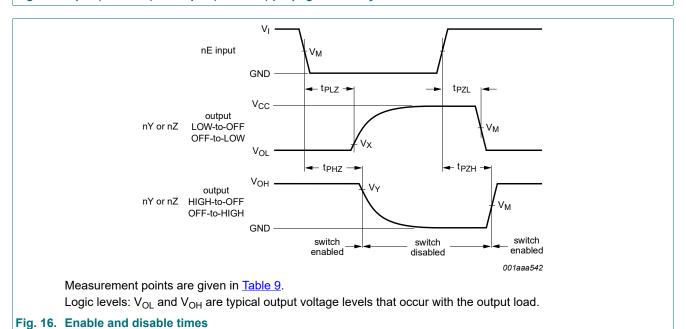
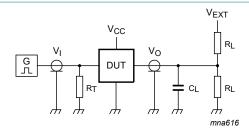


Table 9. Measurement points

Supply voltage Input Output						
V _{CC}	V _M	V _M	V _X	V _Y		
1.65 V to 1.95 V	0.5V _{CC}	0.5 V _{CC}	V _{OL} + 0.15 V	V _{OH} - 0.15 V		
2.3 V to 2.7 V	0.5V _{CC}	0.5V _{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	0.5V _{CC}	0.5V _{CC}	V _{OL} + 0.3 V	V _{OH} - 0.3 V		

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Test data is given in Table 10.

Definitions test circuit:

 R_T = Termination resistance should be equal to output impedance Z_o of the pulse generator.

 $\ensuremath{C_L}$ = 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 10. Test data

Supply voltage	Input		Load		V _{EXT}			
V _{CC}	VI	t _r , t _f	CL	R _L	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	2V _{CC}	
2.3 V to 2.7 V	V _{CC}	≤ 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 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	2V _{CC}	

10.2. Additional dynamic characteristics

Table 11. Additional dynamic characteristics

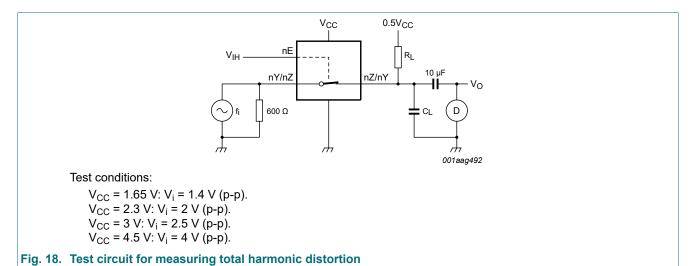
At recommended operating conditions; voltages are referenced to GND (ground = 0 V); T_{amb} = 25 °C.

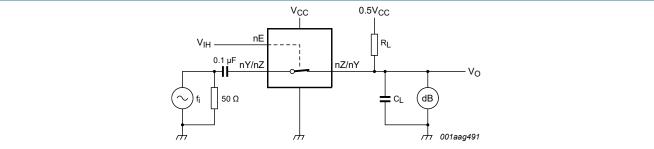
Symbol	Parameter	Conditions	Min	Тур	Max	Unit
THD	total harmonic distortion	R_L = 10 kΩ; C_L = 50 pF; f_i = 1 kHz; see <u>Fig. 18</u>				
		V _{CC} = 1.65 V	-	0.032	-	%
		V _{CC} = 2.3 V	-	0.008	-	%
		V _{CC} = 3 V	-	0.006	-	%
		V _{CC} = 4.5 V	-	0.005	-	%
		R_L = 10 kΩ; C_L = 50 pF; f_i = 10 kHz; see <u>Fig. 18</u>				
		V _{CC} = 1.65 V	-	0.068	-	%
		V _{CC} = 2.3 V	-	0.009	-	%
		V _{CC} = 3 V	-	0.008	-	%
		V _{CC} = 4.5 V	-	0.006	-	%

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
f _(-3dB)	-3 dB frequency response	R_L = 600 Ω; C_L = 50 pF; see <u>Fig. 19</u>				
		V _{CC} = 1.65 V	-	170	-	MHz
		V _{CC} = 2.3 V	-	210	-	MHz
		V _{CC} = 3 V	-	212	-	MHz
		V _{CC} = 4.5 V	-	215	-	MHz
		$R_L = 50 \Omega$; $C_L = 5 pF$; see <u>Fig. 19</u>				
		V _{CC} = 1.65 V	-	> 500	-	MHz
		V _{CC} = 2.3 V	-	> 500	-	MHz
		V _{CC} = 3 V	-	> 500	-	MHz
		V _{CC} = 4.5 V	-	> 500	-	MHz
α _{iso}	isolation (OFF-state)	$R_L = 600 \Omega$; $C_L = 50 pF$; $f_i = 1 MHz$; see Fig. 20				
		V _{CC} = 1.65 V	-	-46	-	dB
		V _{CC} = 2.3 V	_	-46	-	dB
		V _{CC} = 3 V	-	-46	-	dB
		V _{CC} = 4.5 V	-	-46	-	dB
		$R_L = 50 \Omega$; $C_L = 5 pF$; $f_i = 1 MHz$; see <u>Fig. 20</u>				
		V _{CC} = 1.65 V	-	-42	-	dB
		V _{CC} = 2.3 V	-	-42	-	dB
		V _{CC} = 3 V	_	-42	-	dB
		V _{CC} = 4.5 V	_	-42	-	dB
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	-	69	-	mV
		V _{CC} = 2.3 V	-	87	-	mV
		V _{CC} = 3 V	-	156	-	mV
		V _{CC} = 4.5 V	-	302	-	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	-	-58	-	dB
		V _{CC} = 2.3 V	-	-58	-	dB
		V _{CC} = 3 V	-	-58	-	dB
		V _{CC} = 4.5 V	-	-58	-	dB
		between switches; $R_L = 50 \Omega$; $C_L = 5 pF$; $f_i = 1 MHz$; see Fig. 22				
		V _{CC} = 1.65 V	-	-58	-	dB
		V _{CC} = 2.3 V	-	-58	-	dB
		V _{CC} = 3 V	-	-58	-	dB
		V _{CC} = 4.5 V	-	-58	-	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 Ω ; see Fig. 23				
		V _{CC} = 1.8 V	-	3.3	-	рС
		V _{CC} = 2.5 V	_	4.1	-	pC
		V _{CC} = 3.3 V	-	5.0	-	рС
		V _{CC} = 4.5 V	-	6.4	-	рС
		V _{CC} = 5.5 V	-	7.5	_	рС

Quad bilateral switch

10.3. Test circuits





Adjust f_i voltage to obtain 0 dBm level at output. Increase f_i frequency until dB meter reads -3 dB.

Fig. 19. Test circuit for measuring the frequency response when switch is in ON-state

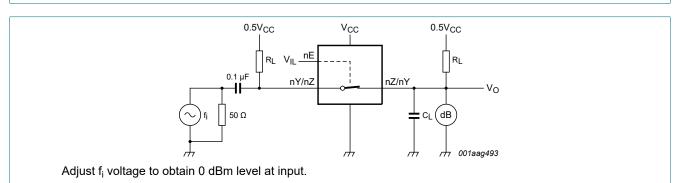
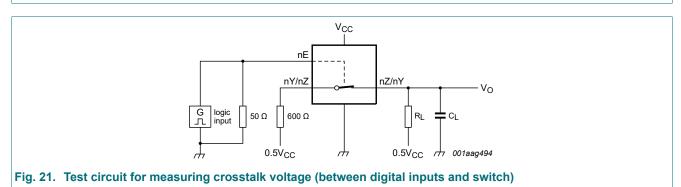
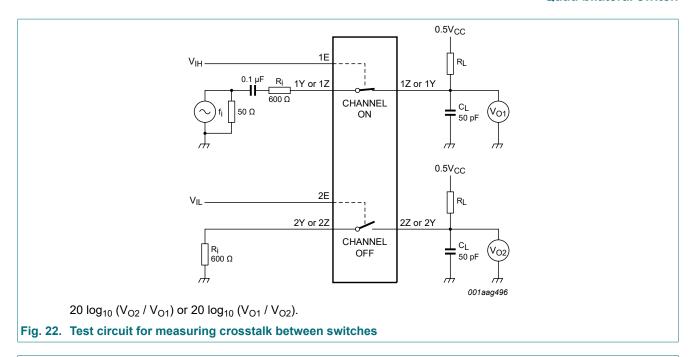
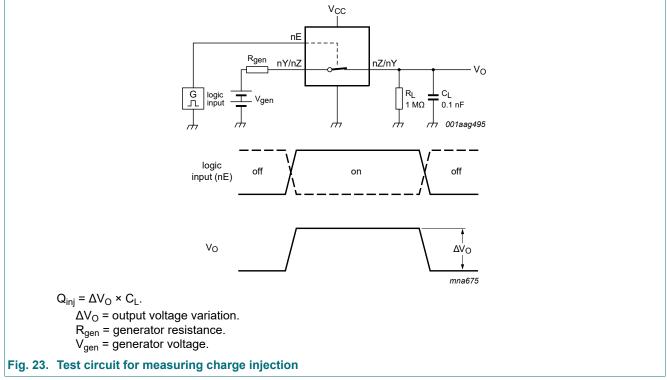


Fig. 20. Test circuit for measuring isolation (OFF-state)







Quad bilateral switch

11. Package outline

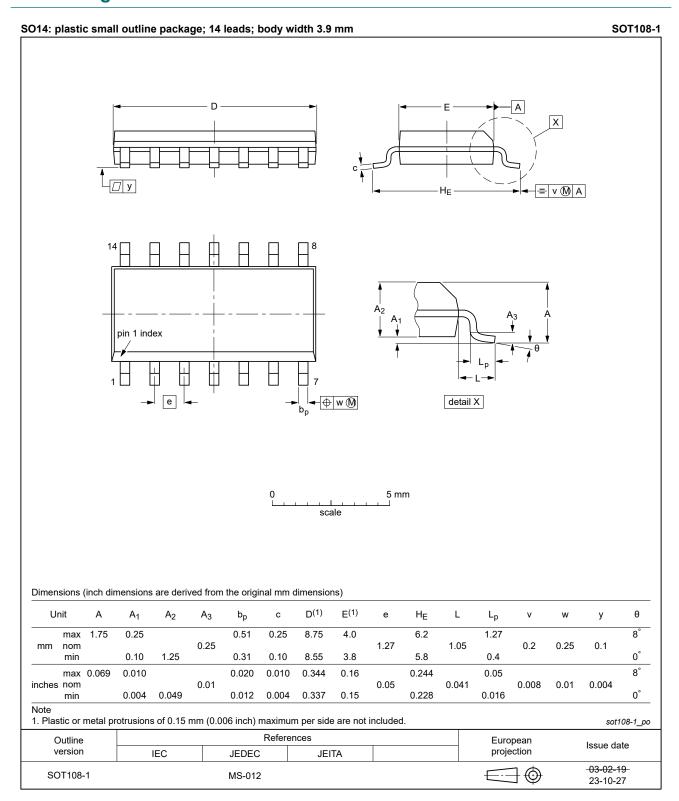


Fig. 24. Package outline SOT108-1 (SO14)

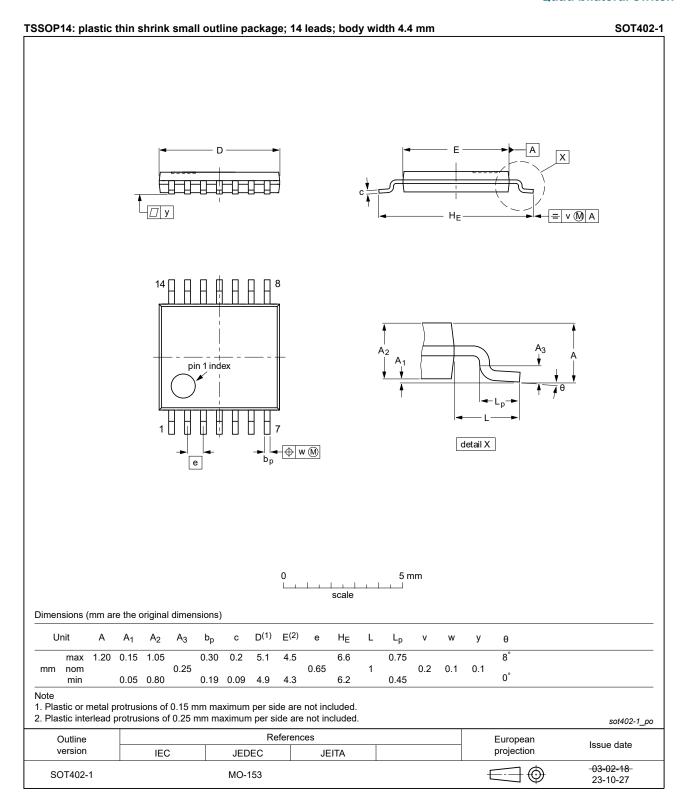


Fig. 25. Package outline SOT402-1 (TSSOP14)

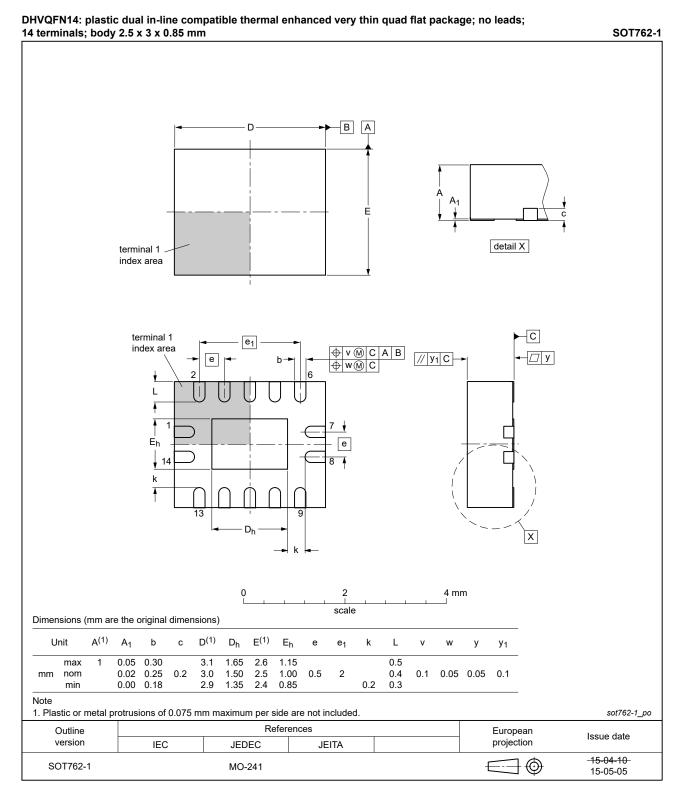


Fig. 26. Package outline SOT762-1 (DHVQFN14)

Quad bilateral switch

12. Abbreviations

Table 12. Abbreviations

Acronym	Description
CMOS	Complementary Metal Oxide Semiconductor
DUT	Device Under Test
ESD	ElectroStatic Discharge
НВМ	Human Body Model
TTL	Transistor-Transistor Logic

13. Revision history

Table 13. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes		
74LVC4066 v.8	20240222	Product data sheet	-	74LVC4066 v.7		
Modifications:	• <u>Fig. 24, Fi</u> and MO-1	•	SOP package outlin	e drawings to JEDEC MS-012		
74LVC4066 v.7	20230824	Product data sheet	-	74LVC4066 v.6		
Modifications:	Section 2:	<u>Section 2</u> : ESD specification updated according to the latest JEDEC standard.				
74LVC4066 v.6	20200326	Product data sheet	-	74LVC4066 v.5		
Modifications:	guidelines • Legal text: • <u>Table 4</u> : D	Legal texts have been adapted to the new company finite where appropriate.				
74LVC4066 v.5	20111123	Product data sheet	-	74LVC4066 v.4		
Modifications:	Legal pag	es updated.				
74LVC4066 v.4	20101124	Product data sheet	-	74LVC4066 v.3		
74LVC4066 v.3	20100809	Product data sheet	-	74LVC4066 v.2		
74LVC4066 v.2	20070827	Product data sheet	-	74LVC4066 v.1		
74LVC4066 v.1	20030812	Product specification	-	-		

Product data sheet

Quad bilateral switch

14. 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".
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