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_{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
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Enable inputs accept voltages up to 5 V
- Multiple package options
- Specified from –40 °C to +85 °C and –40 °C to +125 °C

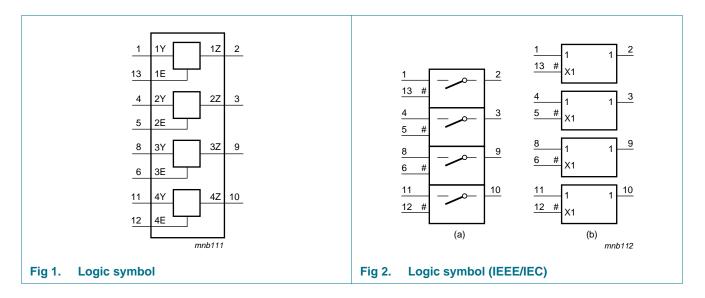


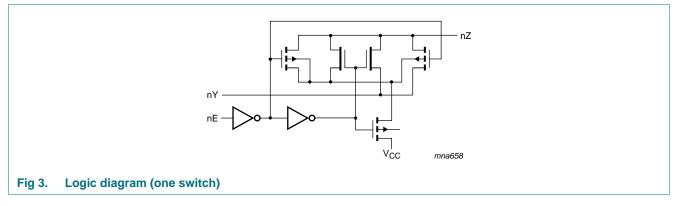
Quad bilateral switch

3. Ordering information

Type number	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 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 $2.5 \times 3 \times 0.85$ mm	SOT762-1				

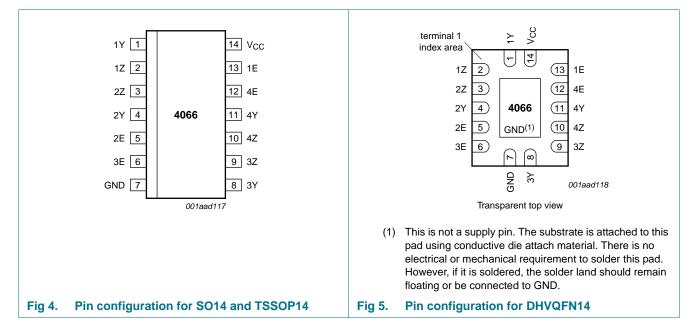
4. Functional diagram





5. Pinning information

5.1 Pinning



5.2 Pin description

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

6. Functional description

Table 3.Function table^[1]

Input nE	Switch
L	OFF
Н	ON

[1] H = HIGH voltage level;

L = LOW voltage level.

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		<u>[1]</u> –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	+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 °C to +125 °C	<u>[3]</u>	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.

For SO14 packages: above 70 °C derate linearly with 8 mW/K.
 For (T)SSOP14 packages: above 60 °C derate linearly with 5.5 mW/K.
 For DHVQFN14 packages: above 60 °C derate linearly with 4.5 mW/K.

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8. Recommended operating conditions

Decomposited execution conditions

Table 5.	Recommended operating condition	ons				
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		<u>[1]</u> 0	-	V _{CC}	V
T _{amb}	ambient temperature		-40	-	+125	°C
$\Delta t / \Delta V$	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.

[2] Applies to control signal levels.

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	o +125 ℃	Unit
				Min	Typ <mark>[1]</mark>	Max	Min	Max	
V _{IH}	HIGH-level	$V_{CC} = 1.65 \text{ V} \text{ to } 1.95 \text{ V}$		$0.65V_{CC}$	-	-	$0.65V_{CC}$	-	V
	input 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	$V_{CC} = 1.65 \text{ V}$ to 1.95 V		-	-	$0.35V_{CC}$	-	$0.35V_{CC}$	V
	input 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_{CC} = 5.5 V; V _I = 5.5 V or GND	[2]	-	±0.1	±5	-	±20	μA
I _{S(OFF)}	OFF-state leakage current	$ V_{SW} = V_{CC} - GND; V_{CC} = 5.5 V;$ see Figure 6	[2]	-	±0.1	±5	-	±20	μΑ
I _{S(ON)}	ON-state leakage current	$ V_{SW} = V_{CC} - GND; V_{CC} = 5.5 V;$ see Figure 7	[2]	-	±0.1	±5	-	±20	μΑ
I _{CC}	supply current	V_{I} = V_{CC} or GND; V_{SW} = GND or $V_{CC}; V_{CC}$ = 5.5 V	[2]	-	0.1	10	-	40	μA
ΔI_{CC}	additional supply current	pin nE; V _I = V _{CC} $-$ 0.6 V; V _{CC} = 5.5 V; V _{SW} = GND or V _{CC}	[2]	-	5	500	-	5000	μA

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Table 6. Static characteristics ...continued

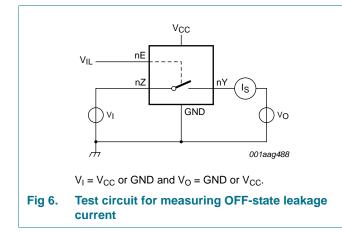
At recommended operating conditions voltages are referenced to GND (ground = 0 V).

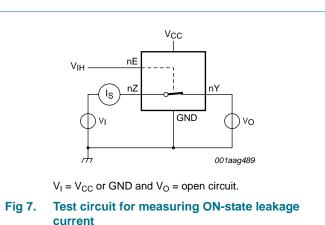
Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to	o +125 ℃	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
CI	input capacitance		-	12.5	-	-	-	pF
$C_{S(OFF)}$	OFF-state capacitance		-	8.0	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	14.0	-	-	-	pF

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

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

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 Figure 9 to Figure 14.

Symbol	Parameter	Conditions	-40		S5 ℃	–40 °C to +125 °C		Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
R _{ON(peak)}	ON resistance (peak)	$V_I = GND$ to V_{CC} ; see Figure 8						
		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

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Symbol	Parameter	Conditions	-40	°C to +8	85 °C	–40 °C te	o +125 °C	Unit
				Typ <mark>[1]</mark>	Max	Min	Max	
R _{ON(rail)}	ON resistance (rail)	V _I = GND; see <u>Figure 8</u>				1		
		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>Figure 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	$V_1 = GND$ 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

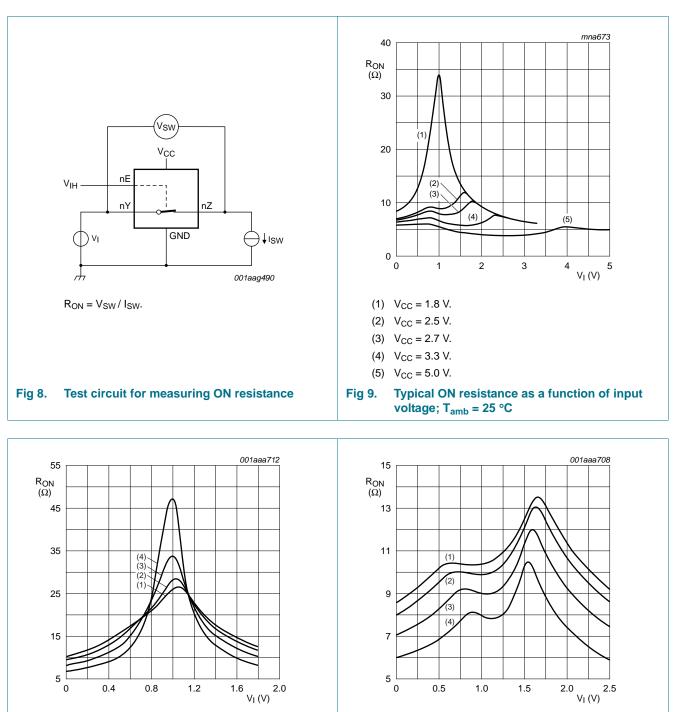
Table 7. ON resistance ...continued

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

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

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9.3 ON resistance test circuit and graphs

(1) $T_{amb} = 125 \text{ °C}.$

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





Fig 11. ON resistance as a function of input voltage;

(1) $T_{amb} = 125 \ ^{\circ}C.$

(2) $T_{amb} = 85 \ ^{\circ}C.$

(3) T_{amb} = 25 °C.

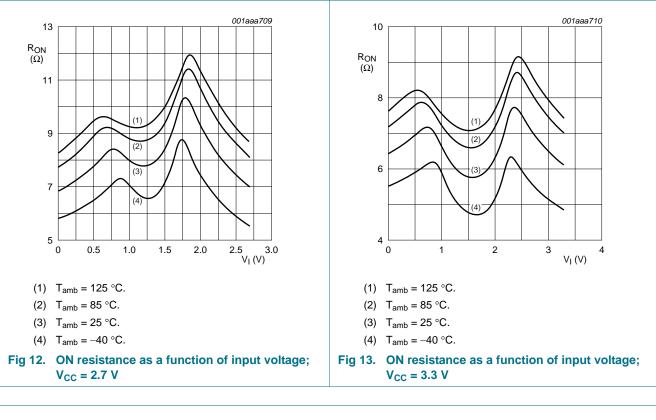
(4) $T_{amb} = -40 \ ^{\circ}C.$

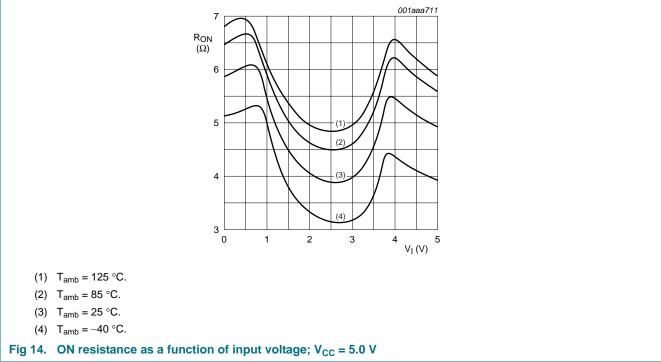
 $V_{CC} = 2.5 V$

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10. Dynamic characteristics

Table 8. Dynamic characteristics

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

Symbol	Parameter	Conditions		-40) °C to +85	5°C	-40 °C to	o +125 ℃	Unit
			-	Min	Typ <mark>[1]</mark>	Max	Min	Max	_
t _{pd}	propagation delay	nY to nZ or nZ to nY; see <u>Figure 15</u>	<u>[2][3]</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 Figure 16	<u>[4]</u>						
		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 Figure 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 capacitance	C_L = 50 pF; f _i = 10 MHz; V _I = GND to V _{CC}	<u>[6]</u>						
		$V_{CC} = 2.5 V$		-	11.0	-	-	-	pF
		$V_{CC} = 3.3 V$		-	12.5	-	-	-	pF
		$V_{CC} = 5.0 V$		-	15.6	-	-	-	pF

[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).

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

 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;

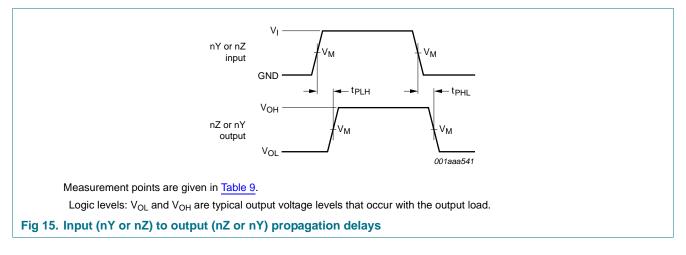
 Σ {(C_L + C_{S(ON)}) × V_{CC}² × f₀} = sum of the outputs.

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10.1 Waveforms and test circuit



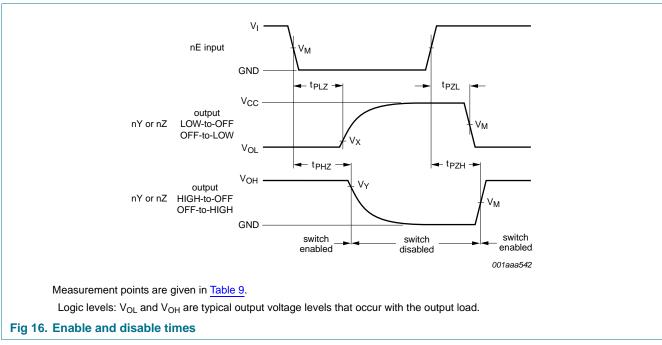


Table 9.	Measurement	points
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Supply voltage	Input	Output		
V _{cc}	V _M	V _M	V _X	V _Y
1.65 V to 1.95 V	0.5V _{CC}	0.5 V _{CC}	V _{OL} + 0.15 V	V _{OH} – 0.15 V
2.3 V to 2.7 V	$0.5V_{CC}$	0.5V _{CC}	V _{OL} + 0.15 V	V _{OH} – 0.15 V
2.7 V	1.5 V	1.5 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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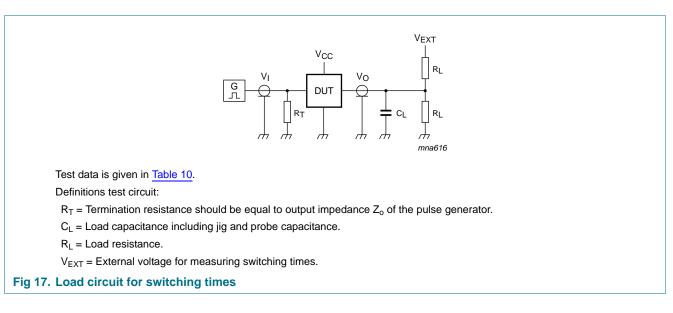


Table 10. Test data

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}	\leq 2.0 ns	30 pF	1 kΩ	open	GND	2V _{CC}	
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	\leq 2.5 ns	50 pF	500 Ω	open	GND	6 V	
3.0 V to 3.6 V	2.7 V	\leq 2.5 ns	50 pF	500 Ω	open	GND	6 V	
4.5 V to 5.5 V	V _{CC}	\leq 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); $T_{amb} = 25 \text{ °C}$.

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
THD total harmonic distortion	$R_L = 10 \text{ k}\Omega; C_L = 50 \text{ pF}; f_i = 1 \text{ kHz};$ see <u>Figure 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	-	%	
	$R_L = 10 \text{ k}\Omega; C_L = 50 \text{ pF}; f_i = 10 \text{ kHz};$ see Figure 18					
	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	-	%

Quad bilateral switch

Table 11. Additional dynamic characteristics ...continued

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
f(-3dB)	-3 dB frequency response	R _L = 600 Ω; C _L = 50 pF; see <u>Figure 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
		$R_L = 50 \Omega; C_L = 5 pF; see Figure 19$				
		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
λ _{iso}	isolation (OFF-state)	$R_L = 600 \Omega$; $C_L = 50 pF$; $f_i = 1 MHz$; see <u>Figure 20</u>				
		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 Figure 20				
		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} cro	crosstalk voltage	between digital inputs and switch; $R_L = 600 \Omega$; $C_L = 50 pF$; $f_i = 1 MHz$; $t_r = t_f = 2 ns$; see <u>Figure 21</u>				
		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; $R_L = 600 \Omega$; $C_L = 50 \text{ pF}$; $f_i = 1 \text{ MHz}$; see Figure 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 <u>Figure 22</u>				
		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

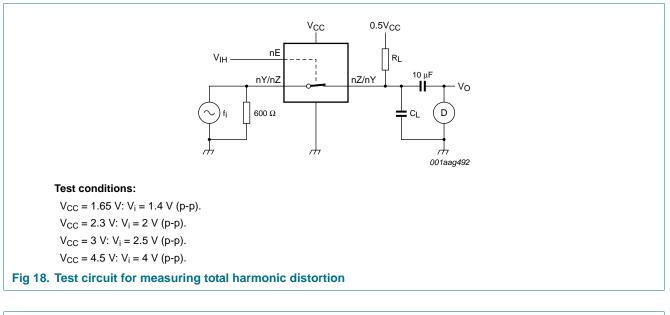
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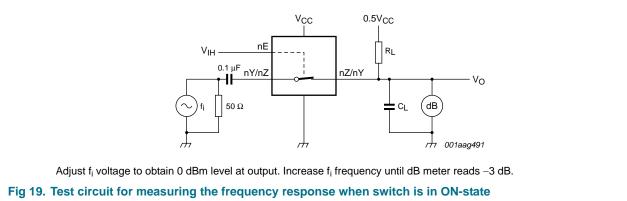
Table 11. Additional dynamic characteristics ...continued

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

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
Q _{inj}	charge injection	$ C_L = 0.1 \text{ nF}; \text{V}_{gen} = 0 \text{V}; \text{R}_{gen} = 0 \Omega; \\ f_i = 1 \text{MHz}; \text{R}_L = 1 \text{M} \Omega; \text{ see } \frac{\text{Figure 23}}{23} $				
	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	

10.2.1 Test circuits

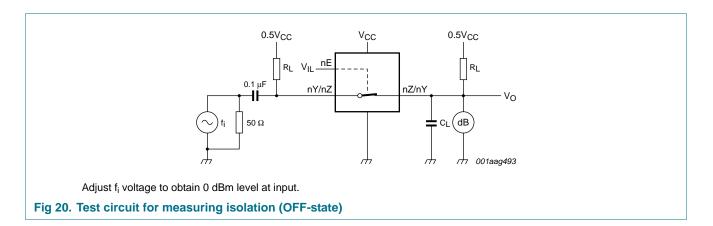


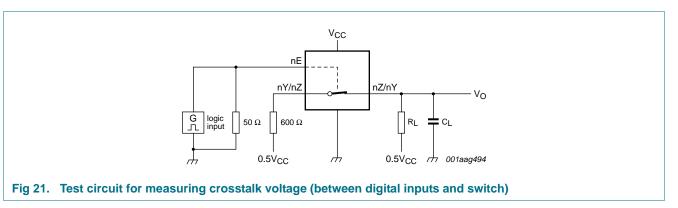


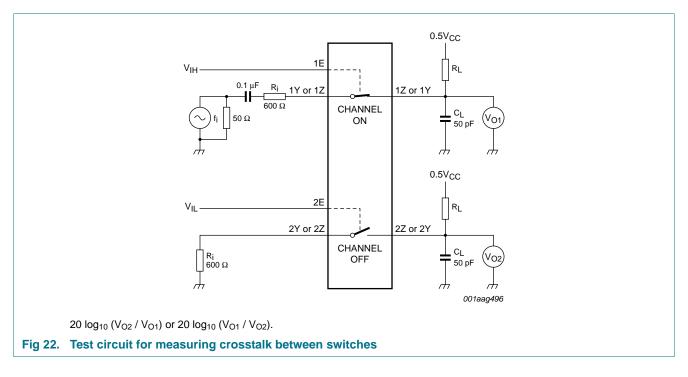
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Quad bilateral switch



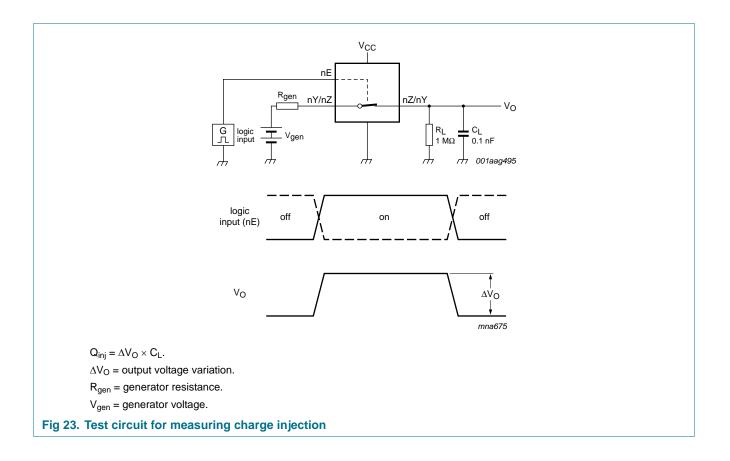




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74LVC4066 Product data sheet

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11. Package outline

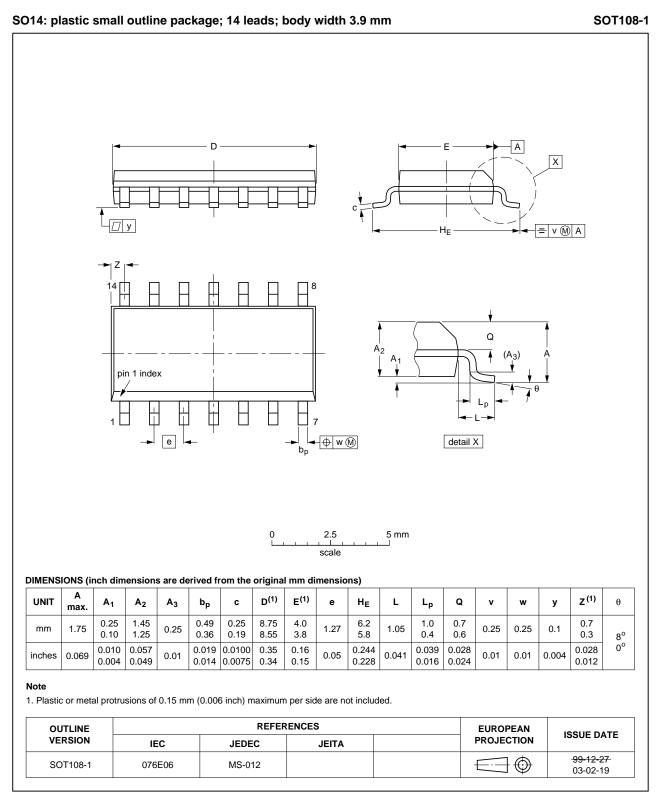


Fig 24. Package outline SOT108-1 (SO14)

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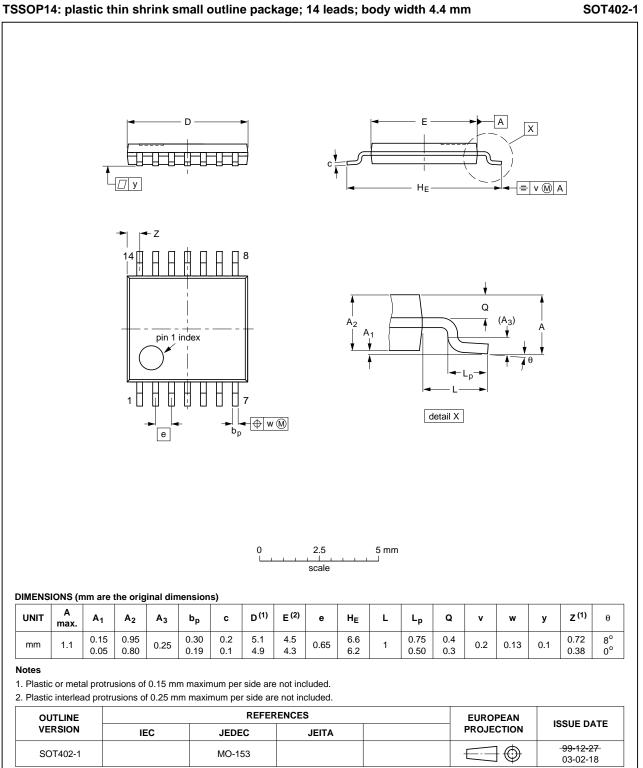
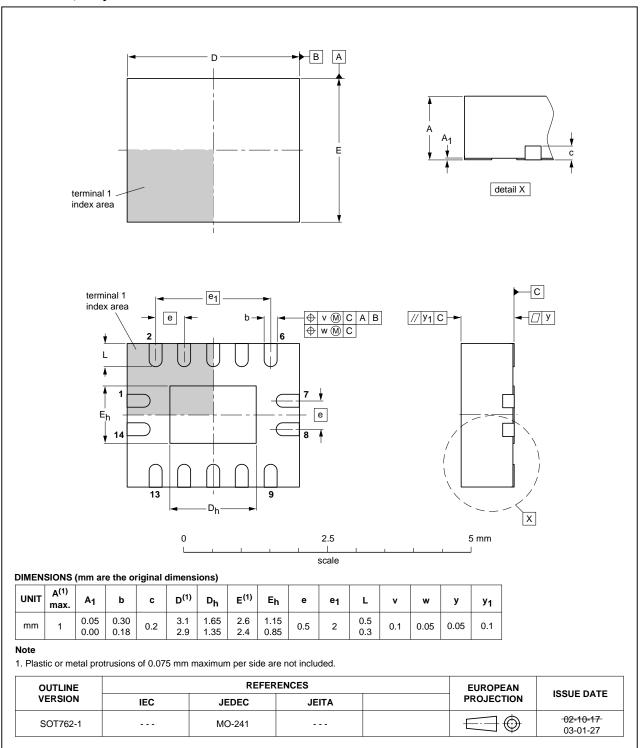


Fig 25. Package outline SOT402-1 (TSSOP14)

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DHVQFN14: plastic dual in-line compatible thermal enhanced very thin quad flat package; no leads; 14 terminals; body 2.5 x 3 x 0.85 mm SOT762-1

Fig 26. Package outline SOT762-1 (DHVQFN14)

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12. Abbreviations

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

13. Revision history

Table 13. Revis	ion history			
Document ID	Release date	Data sheet status	Change notice	Supersedes
74LVC4066 v.5	20111123	Product data sheet	-	74LVC4066 v.4
Modifications:	 Legal pages u 	pdated.		
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	-	-

14. Legal information

14.1 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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