Dual single-pole single-throw analog switch Rev. 9 — 13 December 2011

Product data sheet

1. **General description**

74HC2G66 and 74HCT2G66 are high-speed Si-gate CMOS devices. They are dual single-pole single-throw analog switches. Each switch has two input/output pins (nY and nZ) and an active HIGH enable input pin (nE). When pin nE is LOW, the analog switch is turned off.

Features and benefits 2.

- Wide supply voltage range from 2.0 V to 10.0 V for 74HC2G66
- Very low ON resistance:
 - 41 Ω (typ.) at V_{CC} = 4.5 V
 - 30 Ω (typ.) at V_{CC} = 6.0 V
 - 21 Ω (typ.) at V_{CC} = 9.0 V
- High noise immunity
- Low power dissipation
- 25 mA continuous switch current
- Multiple package options
- ESD protection:
 - HBM JESD22-A114F exceeds 2000 V
 - MM JESD22-A115-A exceeds 200 V
- Specified from -40 °C to +85 °C and -40 °C to +125 °C

Ordering information 3.

Table 1. Ordering	information			
Type number	Package			
	Temperature range	Name	Description	Version
74HC2G66DP	–40 °C to +125 °C	TSSOP8	plastic thin shrink small outline package; 8	SOT505-2
74HCT2G66DP			leads; body width 3 mm; lead length 0.5 mm	
74HC2G66DC	–40 °C to +125 °C	VSSOP8	plastic very thin shrink small outline package; 8	SOT765-1
74HCT2G66DC			leads; body width 2.3 mm	
74HC2G66GT	–40 °C to +125 °C	XSON8	plastic extremely thin small outline package;	SOT833-1
74HCT2G66GT			no leads; 8 terminals; body $1 \times 1.95 \times 0.5$ mm	
74HC2G66GD				SOT996-2
74HCT2G66GD			leads; 8 terminals; UTLP based; body $3 \times 2 \times 0.5$ mm	

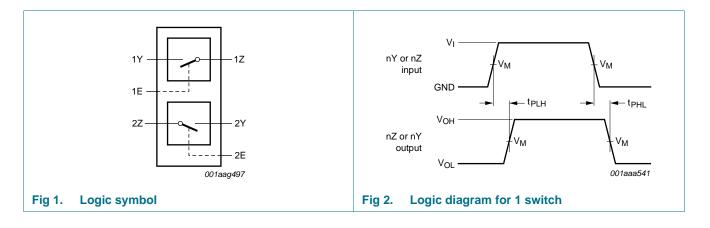


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4. Marking

Type number Marking 74HC2G66DP H66 74HC72G66DP T66 74HC2G66DC H66 74HC72G66DC T66 74HC2G66DC H66 74HC2G66DC T66 74HC2G66GT H66 74HC2G66GT H66 74HC2G66GT T66 74HC2G66GD H66 74HC2G66GD H66	Table 2. Marking codes	
74HCT2G66DP T66 74HC2G66DC H66 74HCT2G66DC T66 74HC2G66GT H66 74HCT2G66GT T66 74HCT2G66GT T66 74HC2G66GT H66 74HC2G66GT H66	Type number	Marking
74HC2G66DC H66 74HCT2G66DC T66 74HC2G66GT H66 74HCT2G66GT T66 74HC2G66GD H66 74HC2G66GD H66	74HC2G66DP	H66
74HCT2G66DC T66 74HC2G66GT H66 74HCT2G66GT T66 74HC2G66GD H66	74HCT2G66DP	T66
74HC2G66GT H66 74HC12G66GT T66 74HC2G66GD H66	74HC2G66DC	H66
74HCT2G66GT T66 74HC2G66GD H66	74HCT2G66DC	T66
74HC2G66GD H66	74HC2G66GT	H66
	74HCT2G66GT	T66
74HCT2G66GD T66	74HC2G66GD	H66
	74HCT2G66GD	T66

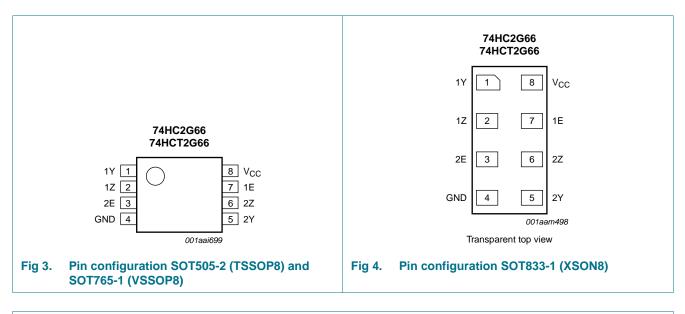
5. Functional diagram

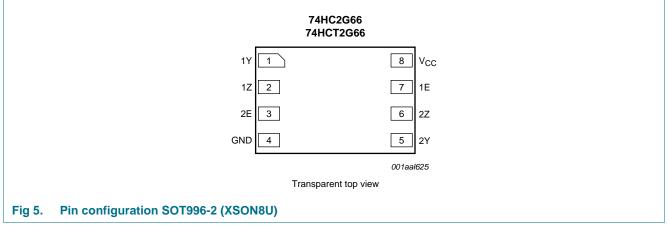


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6. Pinning information

6.1 Pinning





6.2 Pin description

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

74HC_HCT2G66 Product data sheet

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7. Functional description

Table 4.	Function table ^[1]
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Input nE	Switch
L	OFF
Н	ON

[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	+11.0	V
I _{IK}	input clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V	<u>[1]</u> _	±20	mA
I _{SK}	switch clamping current	$V_{\rm I}$ < -0.5 V or $V_{\rm I}$ > $V_{\rm CC}$ + 0.5 V	<u>[1]</u> _	±20	mA
I _{SW}	switch current	V_{SW} > –0.5 V or V_{SW} < V_{CC} + 0.5 V	-	±20	mA
I _{CC}	supply current		-	30	mA
I _{GND}	ground current		-30	-	mA
T _{stg}	storage temperature		-65	+150	°C
P _{tot}	total power dissipation	$T_{amb} = -40 \ ^{\circ}C \text{ to } +125 \ ^{\circ}C$			
		per package	[2] _	300	mW
		per switch	[2] _	100	mW

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

[2] For TSSOP8 packages: above 55 °C the value of P_{tot} derates linearly with 2.5 mW/K.

For VSSOP8 packages: above 110 °C the value of P_{tot} derates linearly with 8.0 mW/K. For XSON8 and XSON8U packages: above 118 °C the value of P_{tot} derates linearly with 7.8 mW/K.

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9. Recommended operating conditions

Table 6. Recommended operating conditions

Voltages are referenced to GND (ground = 0 V).[1]

Symbol	Parameter	Conditions	7	4HC2G6	6	74	4HCT2G	66	Unit V V V V °C ns/V ns/V
			Min	Тур	Max	Min	Тур	Max	
V _{CC}	supply voltage		2.0	5.0	10.0	4.5	5.0	5.5	V
VI	input voltage		0	-	V_{CC}	0	-	V_{CC}	V
Vo	output voltage		0	-	V_{CC}	0	-	V_{CC}	V
V _{SW}	switch voltage		0	-	V_{CC}	0	-	V_{CC}	V
T _{amb}	ambient temperature		-40	+25	+125	-40	+25	+125	°C
$\Delta t / \Delta V$	input transition rise	$V_{CC} = 2.0 V$	-	-	625	-	-	-	ns/V
	and fall rate	$V_{CC} = 4.5 V$	-	1.67	139	-	1.67	139	ns/V
		$V_{CC} = 6.0 V$	-	-	83	-	-	-	ns/V
		$V_{CC} = 10.0 V$	-	-	35	-	-	-	ns/V

[1] To avoid drawing V_{CC} current out of pin nZ, when switch current flows in pin nY, the voltage drop across the bidirectional switch must not exceed 0.4 V. If the switch current flows into pin nZ, no V_{CC} current will flow out of terminal nY. In this case there is no limit for the voltage drop across the switch, but the voltage at pins nY and nZ may not exceed V_{CC} or GND.

10. Static characteristics

Table 7. Static characteristics

Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	–40 °C to	o +125 °C	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	-
74HC2G	66							
V _{IH}	HIGH-level	$V_{CC} = 2.0 V$	1.5	1.2	-	1.5	-	V
	input voltage	$V_{CC} = 4.5 V$	3.15	2.4	-	3.15	-	V
		$V_{CC} = 6.0 V$	4.2	3.2	-	4.2	-	V
		$V_{CC} = 9.0 V$	6.3	4.7	-	6.3	-	V
V _{IL}	LOW-level	$V_{CC} = 2.0 V$	-	0.8	0.5	-	0.5	V
	input voltage	$V_{CC} = 4.5 V$	-	2.1	1.35	-	1.35	V
		$V_{CC} = 6.0 V$	-	2.8	1.8	-	1.8	V
		$V_{CC} = 9.0 V$	-	4.3	2.7	-	2.7	V
I _I	input leakage current	nE; $V_I = V_{CC}$ or GND						
		$V_{CC} = 6.0 V$	-	-	±0.1	-	±0.1	μΑ
		V _{CC} = 9.0 V	-	-	±0.2	-	±0.2	μΑ
I _{S(OFF)}	OFF-state leakage current	nY or nZ; V_{CC} = 9.0 V; see <u>Figure 6</u>	-	0.1	1.0	-	1.0	μΑ
I _{S(ON)}	ON-state leakage current	nY or nZ; V_{CC} = 9.0 V; see <u>Figure 7</u>	-	0.1	1.0	-	1.0	μA
I _{CC}	supply current	nE, nY and nZ = V_{CC} or GND						
		$V_{CC} = 6.0 V$	-	-	10	-	20	μA
		V _{CC} = 9.0 V	-	-	20	-	40	μΑ

74HC_HCT2G66 Product data sheet

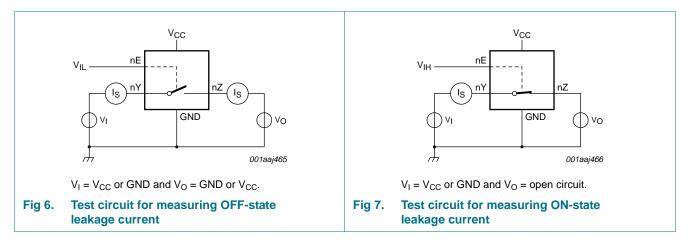
74HC2G66; 74HCT2G66

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Symbol	Parameter	Conditions	-40	°C to +8	5 °C	–40 °C te	o +125 °C	Unit
			Min	Typ <mark>[1]</mark>	Max	Min	Max	
CI	input capacitance		-	3.5	-	-	-	pF
C _{PD}	power dissipation capacitance		-	9	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	8	-	-	-	pF
74HCT2	G66							
V _{IH}	HIGH-level input voltage	V_{CC} = 4.5 V to 5.5 V	2.0	1.6	-	2.0	-	V
V _{IL}	LOW-level input voltage	V_{CC} = 4.5 V to 5.5 V	-	1.2	0.8	-	0.8	V
l _l	input leakage current	nE; $V_I = V_{CC}$ or GND; $V_{CC} = 5.5 \text{ V}$	-	-	±1.0	-	±1.0	μΑ
I _{S(OFF)}	OFF-state leakage current	nY or nZ; V_{CC} = 5.5 V; see Figure 6	-	0.1	1.0	-	1.0	μΑ
I _{S(ON)}	ON-state leakage current	nY or nZ; V_{CC} = 5.5 V; see Figure 7	-	0.1	1.0	-	1.0	μΑ
I _{CC}	supply current	nE, nY and nZ = V_{CC} or GND; V_{CC} = 4.5 V to 5.5 V	-	-	10	-	20	μΑ
ΔI_{CC}	additional supply current	$\label{eq:nE} \begin{array}{l} {\sf nE} = {\sf V}_{CC} - 2.1 \; {\sf V}; \; {\sf I}_{O} = 0 \; {\sf A}; \\ {\sf V}_{CC} = 4.5 \; {\sf V} \; {\sf to} \; 5.5 \; {\sf V}; \end{array}$	-	-	375	-	410	μΑ
Cı	input capacitance		-	3.5	-	-	-	pF
C _{PD}	power dissipation capacitance		-	9	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	8	-	-	-	рF

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

10.1 Test circuits



Dual single-pole single-throw analog switch

10.2 ON resistance

Table 8. ON resistance for 74HC2G66 and 74HCT2G66

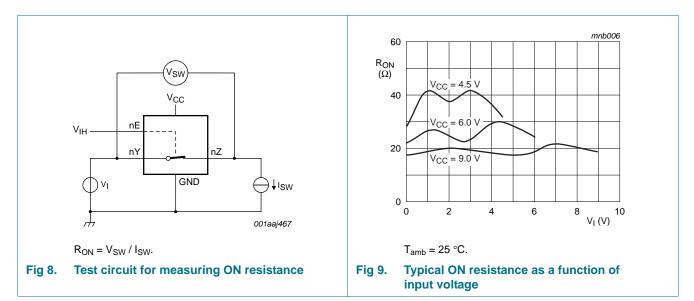
At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graph see Figure 9.

Symbol	Parameter	Conditions	-40	°C to +8	5 ℃	_40 to +1) °C 25 °C	Unit
			Min	Typ ^[2]	Max	Min	Max	
74HC2G	66 <u>[1]</u>							
R _{ON(peak)}	ON resistance (peak)	$V_I = GND$ to V_{CC} ; see <u>Figure 8</u> and <u>9</u>						
		$I_{SW} = 0.1 \text{ mA}; V_{CC} = 2.0 \text{ V}$	-	250	-	-	-	Ω
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	41	118	-	142	Ω
		I_{SW} = 1.0 mA; V_{CC} = 6.0 V	-	30	105	-	126	Ω
		I_{SW} = 1.0 mA; V_{CC} = 9.0 V	-	21	88	-	105	Ω
R _{ON(rail)}	ON resistance (rail)	$V_I = GND$; see <u>Figure 8</u> and <u>9</u>						
		$I_{SW} = 0.1 \text{ mA}; V_{CC} = 2.0 \text{ V}$	-	65	-	-	-	Ω
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	28	95	-	115	Ω
		I_{SW} = 1.0 mA; V_{CC} = 6.0 V	-	22	82	-	100	Ω
		I_{SW} = 1.0 mA; V_{CC} = 9.0 V	-	18	70	-	80	Ω
		$V_I = V_{CC}$; see <u>Figure 8</u> and <u>9</u>						
		$I_{SW} = 0.1 \text{ mA}; V_{CC} = 2.0 \text{ V}$	-	65	-	-	-	Ω
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	31	106	-	128	Ω
		I_{SW} = 1.0 mA; V_{CC} = 6.0 V	-	23	94	-	113	Ω
		I_{SW} = 1.0 mA; V_{CC} = 9.0 V	-	19	78	-	95	Ω
∆R _{ON}	ON resistance mismatch	$V_I = V_{CC}$ to GND; see <u>Figure 8</u> and <u>9</u>						
	between channels	$V_{CC} = 4.5 V$	-	5	-	-	-	Ω
		$V_{CC} = 6.0 V$	-	4	-	-	-	Ω
		V _{CC} = 9.0 V	-	3	-	-	-	Ω
74HCT26	66							
R _{ON(peak)}	ON resistance (peak)	$V_I = GND$ to V_{CC} ; see <u>Figure 8</u> and <u>9</u>						
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	41	118	-	142	Ω
R _{ON(rail)}	ON resistance (rail)	$V_I = GND$; see <u>Figure 8</u> and <u>9</u>						
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	28	95	-	115	Ω
		$V_I = V_{CC}$; see <u>Figure 8</u> and <u>9</u>						
		I_{SW} = 1.0 mA; V_{CC} = 4.5 V	-	31	106	-	128	Ω
∆R _{ON}	ON resistance mismatch	$V_I = V_{CC}$ to GND; see <u>Figure 8</u> and <u>9</u>						
	between channels	$V_{CC} = 4.5 V$	-	5	-	-	-	Ω

[1] At supply voltages approaching 2 V, the ON resistance becomes extremely non-linear. Therefore it is recommended that these devices be used to transmit digital signals only, when using this supply voltage.

[2] Typical values are measured at T_{amb} = 25 °C.

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10.3 ON resistance test circuit and graphs

11. Dynamic characteristics

Table 9. Dynamic characteristics

Voltages are referenced to GND (ground = 0 V); For test circuit see Figure 12.

Symbol	Parameter	Conditions		-40	°C to +85	5 °C	–40 °C t	o +125 °C	Unit
				Min	Typ <mark>[1]</mark>	Max	Min	Max	
74HC2G	66								•
t _{pd}	propagation delay	nY to nZ or nZ to nY; $R_L = \infty \Omega$; see Figure 10	[2]						
		$V_{CC} = 2.0 V$		-	6.5	65	-	80	ns
		$V_{CC} = 4.5 V$		-	2	13	-	15	ns
		$V_{CC} = 6.0 V$		-	1.5	11	-	14	ns
		$V_{CC} = 9.0 V$		-	1.2	10	-	12	ns
t _{en}	enable time	nE to nY or nZ; see Figure 11	[2]						
		$V_{CC} = 2.0 V$		-	40	125	-	150	ns
		$V_{CC} = 4.5 V$		-	12	29	-	30	ns
		$V_{CC} = 6.0 V$		-	10	21	-	26	ns
		V _{CC} = 9.0 V		-	7	16	-	20	ns
t _{dis}	disable time	nE to nY or nZ; see <u>Figure 11</u>	[2]						
		$V_{CC} = 2.0 V$		-	21	145	-	175	ns
		$V_{CC} = 4.5 V$		-	12	29	-	35	ns
		$V_{CC} = 6.0 V$		-	11	28	-	33	ns
		$V_{CC} = 9.0 V$		-	10	23	-	27	ns
C _{PD}	power dissipation capacitance	$V_I = GND$ to V_{CC}	<u>[3]</u>	-	9	-	-	-	pF

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Symbol	Parameter	Conditions		-40) °C to +85	5 °C	–40 °C t	o +125 °C	Unit
				Min	Typ <mark>[1]</mark>	Max	Min	Max	
74HCT2	G66		l						
t _{pd}	propagation delay	nY to nZ or nZ to nY; $R_L = \infty \Omega$; see Figure 10	[2]						
		$V_{CC} = 4.5 V$		-	2	15	-	18	ns
t _{en}	enable time	nE to nY or nZ; see Figure 11	[2]						
		$V_{CC} = 4.5 V$		-	13	30	-	36	ns
t _{dis}	disable time	nE to nY or nZ; see <u>Figure 11</u>	[2]						
		$V_{CC} = 4.5 V$		-	13	44	-	53	ns
C _{PD}	power dissipation capacitance	V_{I} = GND to $V_{CC}-1.5~V$	<u>[3]</u>	-	9	-	-	-	pF

Table 9. Dynamic characteristics ...continued

[1] All typical values are measured at T_{amb} = 25 °C.

- [3] C_{PD} is used to determine the dynamic power dissipation P_D (μW).
 - $P_D = C_{PD} \times V_{CC}^2 \times f_i + \Sigma((C_L \times C_{SW}) \times V_{CC}^2 \times f_o)$ where:

 f_i = input frequency in MHz;

 $f_o = output frequency in MHz;$

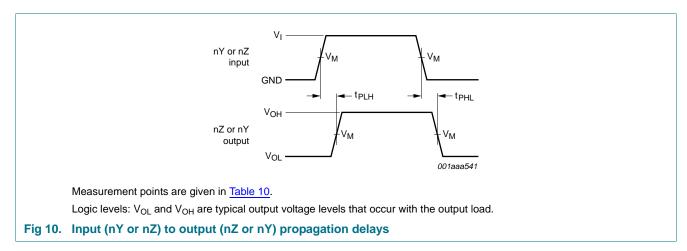
 C_L = output load capacitance in pF;

C_{SW} = maximum switch capacitance in pF (see Table 7);

V_{CC} = supply voltage in volts;

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

11.1 Waveforms and test circuit



74HC2G66; 74HCT2G66

Dual single-pole single-throw analog switch

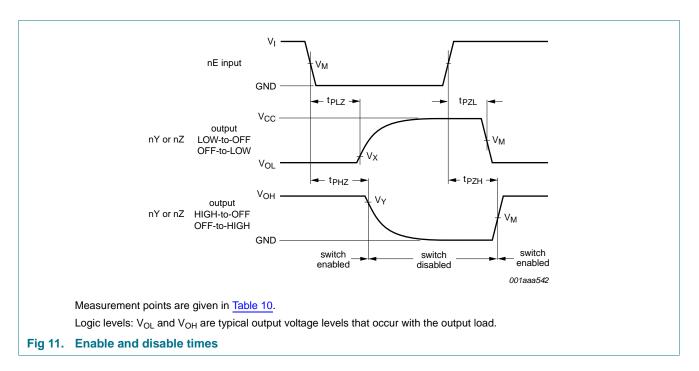


Table 10.Measurement points

Туре	Input	Output		
	V _M	V _M	V _X	V _Y
74HC2G66	0.5V _{CC}	0.5V _{CC}	V _{OL} + 10 %	V _{OH} – 10 %
74HCT2G66	1.3 V	1.3 V	V _{OL} + 10 %	V _{OH} – 10 %

74HC2G66; 74HCT2G66

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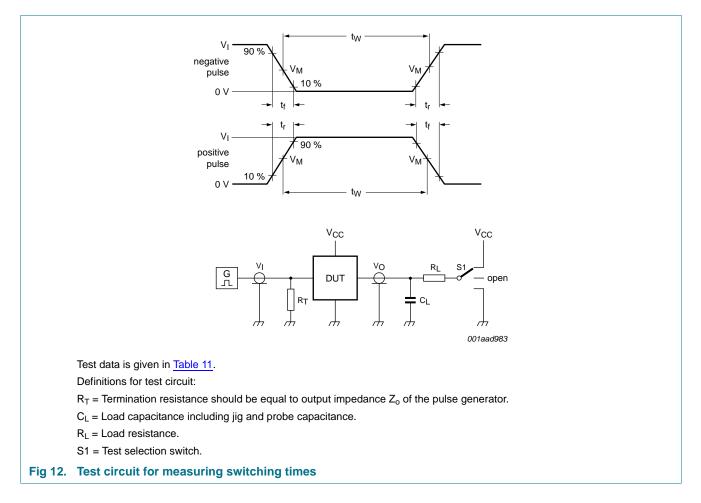


Table 11. Test data

Туре	Input		Load		S1 position		
	VI	t _r , t _f [1]	CL	RL	t _{PHL} , t _{PLH}	t _{PZH} , t _{PHZ}	t _{PZL} , t _{PLZ}
74HC2G66	GND to V_{CC}	6 ns	50 pF	1 kΩ	open	GND	V _{CC}
74HCT2G66	GND to 3 V	6 ns	50 pF	1 kΩ	open	GND	V _{CC}

[1] There is no constraint on t_r , t_f with a 50 % duty factor when measuring f_{max} .

11.2 Additional dynamic characteristics

Table 12. Additional dynamic characteristics for 74HC2G66 and 74HCT2G66

GND = 0 V; $t_r = t_f = 6.0$ ns; $C_L = 50$ pF; unless otherwise specified. All typical values are measured at $T_{amb} = 25$ °C.

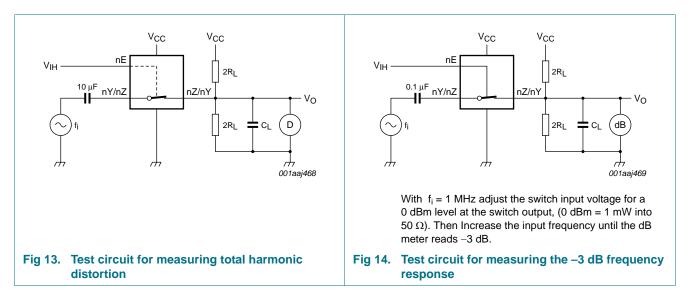
Symbol	Parameter	Conditions	Min	Тур	Мах	Unit
THD total harmonic distortion	total harmonic	$f_i = 1 \text{ kHz}; \text{ R}_L = 10 \text{ k}\Omega; \text{ see } \frac{\text{Figure } 13}{100000000000000000000000000000000000$				%
	distortion	$V_{CC} = 4.5 \text{ V}; \text{ V}_{I} = 4.0 \text{ V} \text{ (p-p)}$	-	0.04	-	%
		$V_{CC} = 9.0 \text{ V}; \text{ V}_{I} = 8.0 \text{ V} \text{ (p-p)}$	-	0.02	-	%
		$f_i = 10 \text{ kHz}; R_L = 10 \text{ k}\Omega; \text{ see } \frac{\text{Figure } 13}{100000000000000000000000000000000000$				
		$V_{CC} = 4.5 \text{ V}; \text{ V}_{I} = 4.0 \text{ V} \text{ (p-p)}$	-	0.12	-	%
		$V_{CC} = 9.0 \text{ V}; \text{ V}_{I} = 8.0 \text{ V} \text{ (p-p)}$	-	0.06	-	%

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Symbol	Parameter	Conditions	Min	Тур	Max	Unit
f _(-3dB)	–3 dB frequency response	$R_L = 50 \Omega; C_L = 10 pF;$ see <u>Figure 14</u> and <u>15</u>				
		$V_{CC} = 4.5 V$	-	180	-	MHz
		$V_{CC} = 9.0 V$	-	200	-	MHz
α_{iso} isolation (OFF-stat	isolation (OFF-state)	$R_L = 600 \Omega$; f _i = 1 MHz; see <u>Figure 16</u> and <u>17</u>				
		$V_{CC} = 4.5 V$	-	-50	-	dB
		$V_{CC} = 9.0 V$	-	-50	-	dB
V _{ct} ci	crosstalk voltage	between digital input and switch (peak to peak value); $R_L = 600 \Omega$; $f_i = 1 MHz$; see Figure 18				
		$V_{CC} = 4.5 V$	-	110	-	mV
		$V_{CC} = 9.0 V$	-	220	-	mV
Xtalk	crosstalk	between switches; $R_L = 600 \Omega$; $f_i = 1 MHz$; see <u>Figure 19</u>				
		$V_{CC} = 4.5 V$	-	-60	-	dB
		$V_{CC} = 9.0 V$	-	-60	-	dB

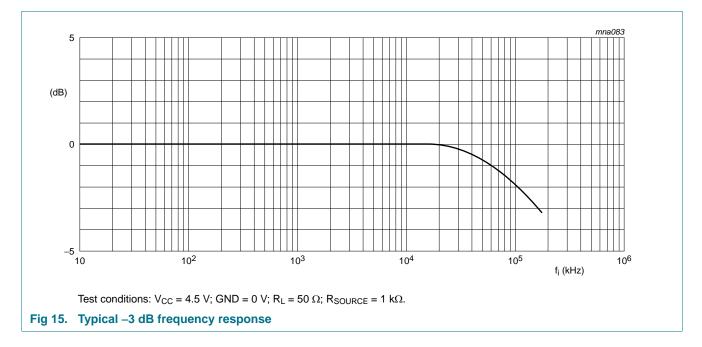
Additional dynamic characteristics for 74HC2G66 and 74HCT2G66 ... continued Table 12.

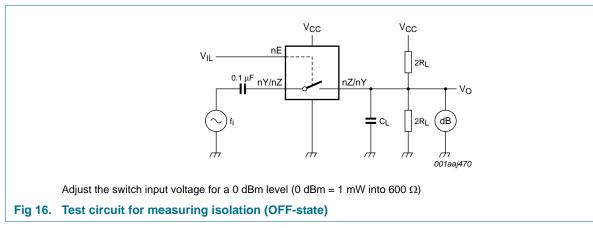
11.3 Test circuits and graphs



74HC2G66; 74HCT2G66

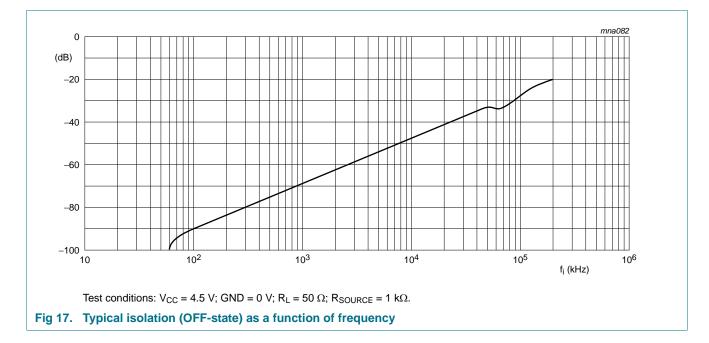
Dual single-pole single-throw analog switch

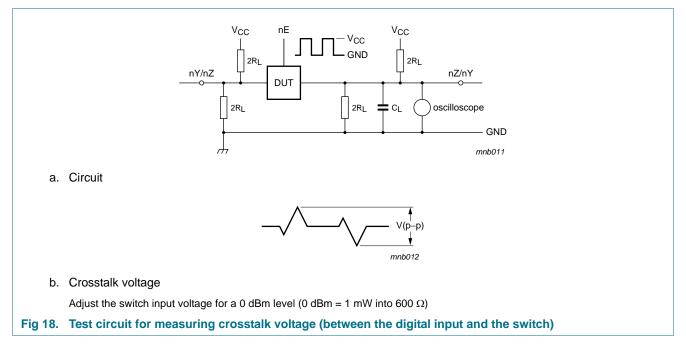




74HC2G66; 74HCT2G66

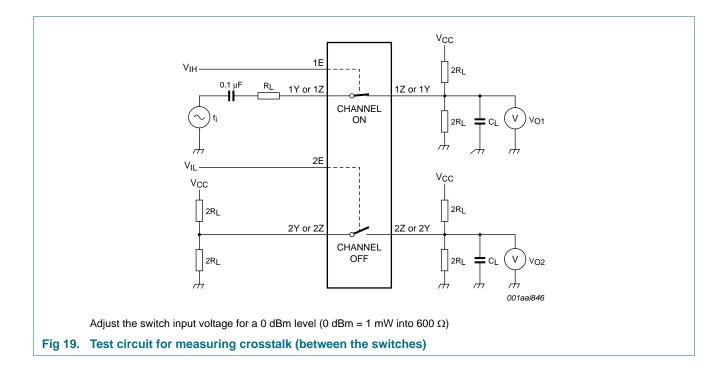
Dual single-pole single-throw analog switch





74HC2G66; 74HCT2G66

Dual single-pole single-throw analog switch



Dual single-pole single-throw analog switch

12. Package outline

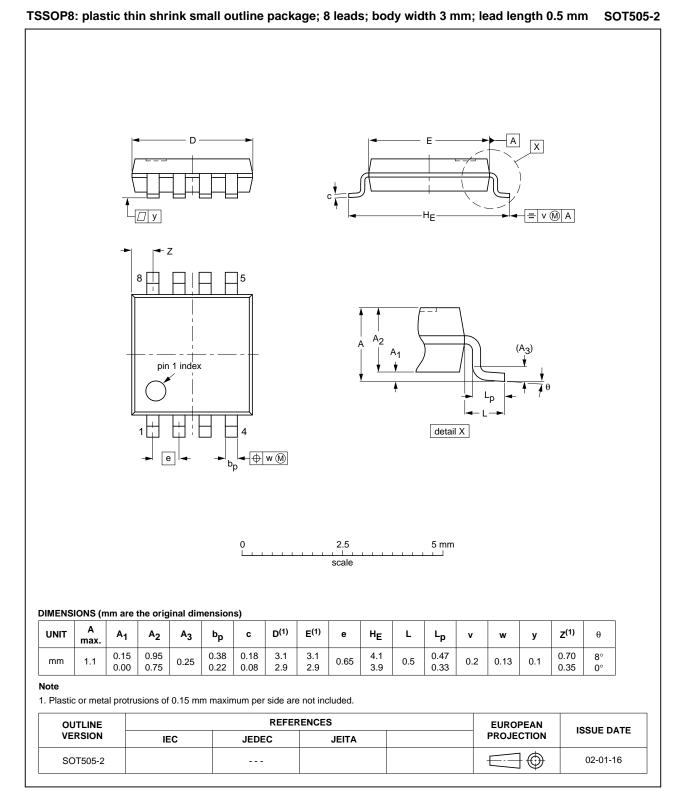


Fig 20. Package outline SOT505-2 (TSSOP8)

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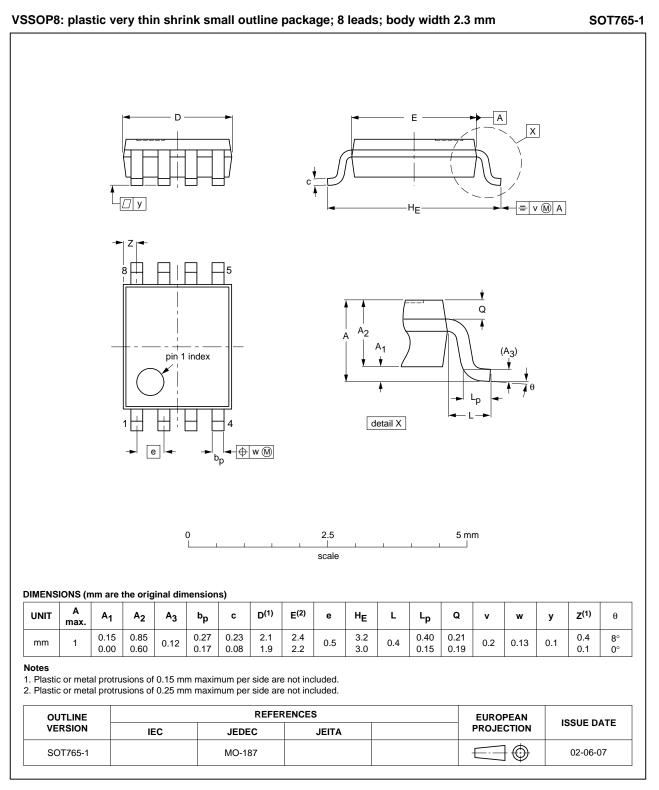


Fig 21. Package outline SOT765-1 (VSSOP8)

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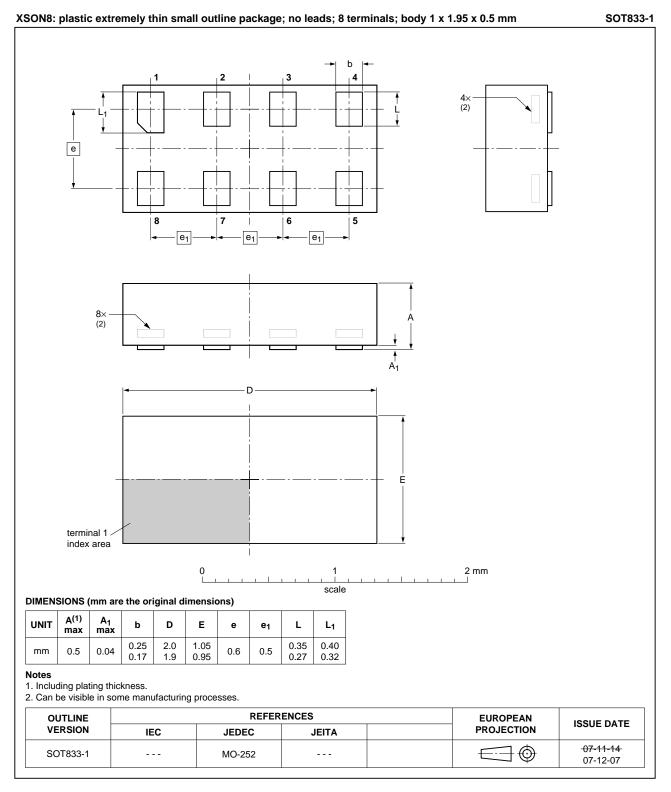
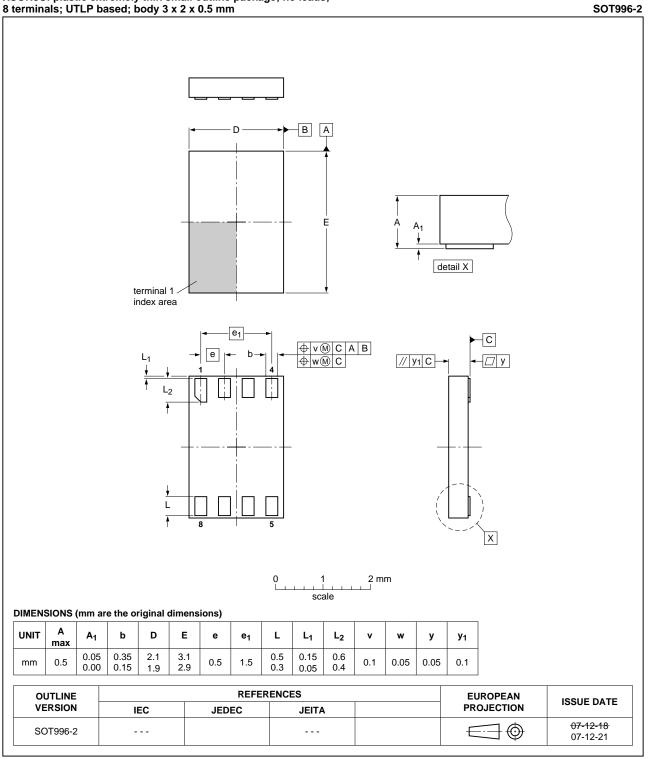


Fig 22. Package outline SOT833-1 (XSON8)

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XSON8U: plastic extremely thin small outline package; no leads; 8 terminals; UTLP based; body 3 x 2 x 0.5 mm

Fig 23. Package outline SOT996-2 (XSON8U)

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Dual single-pole single-throw analog switch

13. Abbreviations

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

14. Revision history

Table 14. Revision history **Document ID Release date** Data sheet status **Change notice** Supersedes 74HC_HCT2G66 v.9 Product data sheet 74HC_HCT2G66 v.8 20111213 -Modifications: Legal pages updated. 74HC_HCT2G66 v.8 20100923 Product data sheet 74HC_HCT2G66 v.7 -74HC_HCT2G66 v.7 Product data sheet 20100914 _ 74HC_HCT2G66 v.6 74HC_HCT2G66 v.6 20100402 Product data sheet 74HC_HCT2G66 v.5 -74HC_HCT2G66 v.5 20090126 Product data sheet 74HC_HCT2G66 v.4 -74HC_HCT2G66 v.4 20040519 Product specification 74HC_HCT2G66 v.3 _ 74HC_HCT2G66 v.3 20031126 Product specification 74HC_HCT2G66 v.2 -74HC_HCT2G66 v.2 Product specification 74HC_HCT2G66 v.1 20030808 _ 74HC_HCT2G66 v.1 20030625 Product specification --

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15. Legal information

15.1 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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Product data sheet

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