74HC2G66; 74HCT2G66

Dual single-pole single-throw analog switch Rev. 8 — 23 September 2010

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:
 - \bullet 41 Ω (typ.) at $V_{CC} = 4.5 \text{ V}$
 - ♦ 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

3. Ordering information

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	–40 °C to +125 °C	XSON8U	plastic extremely thin small outline package; no	SOT996-2						
74HCT2G66GD	_		leads; 8 terminals; UTLP based; body $3 \times 2 \times 0.5 \text{ mm}$							

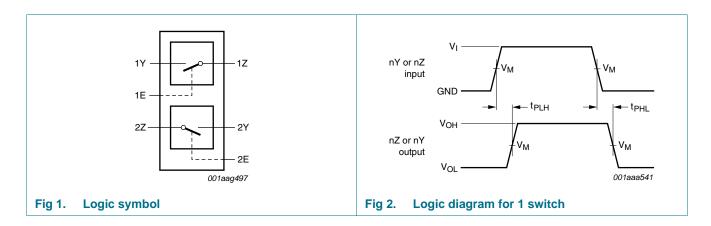


4. Marking

Table 2. Marking codes

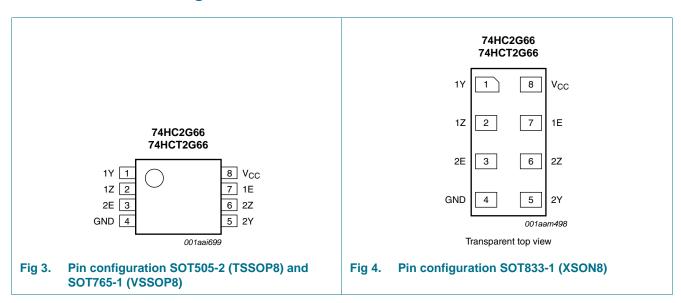
Type number	Marking
74HC2G66DP	H66
74HCT2G66DP	T66
74HC2G66DC	H66
74HCT2G66DC	T66
74HC2G66GT	H66
74HCT2G66GT	T66
74HC2G66GD	H66
74HCT2G66GD	T66

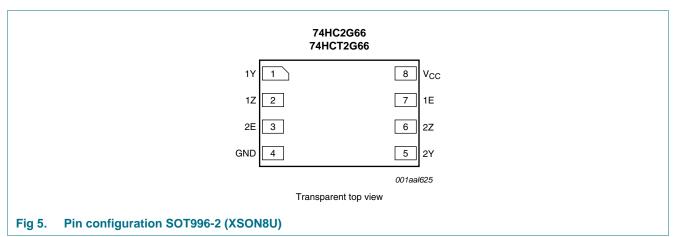
5. Functional diagram



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

7. Functional description

Table 4. Function table[1]

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).

		3 7 7 3		10	,
Symbol	Parameter	Conditions	Min	Max	Unit
V_{CC}	supply voltage		-0.5	+11.0	V
I _{IK}	input clamping current	$V_I < -0.5 \text{ V or } V_I > V_{CC} + 0.5 \text{ V}$	<u>[1]</u> _	±20	mA
I _{SK}	switch clamping current	$V_I < -0.5 \text{ V or } V_I > V_{CC} + 0.5 \text{ V}$	<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	$T_{amb} = -40 ^{\circ}\text{C} \text{ to } +125 ^{\circ}\text{C}$			
		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.

9. Recommended operating conditions

Table 6. Recommended operating conditions

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

Symbol	Parameter	Conditions	7	4HC2G6	6	74HCT2G66			Unit
			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
Δt/ΔV	input transition rise	$V_{CC} = 2.0 \text{ V}$	-	-	625	-	-	-	ns/V
	and fall rate	$V_{CC} = 4.5 \text{ V}$	-	1.67	139	-	1.67	139	ns/V
		$V_{CC} = 6.0 \text{ V}$	-	-	83	-	-	-	ns/V
		$V_{CC} = 10.0 \text{ V}$	-	-	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	–40 °C to +85 °C			-40 °C to +125 °C	
			Min	Typ[1]	Max	Min	Max	
74HC2G	66			'		'		'
V_{IH}	HIGH-level	$V_{CC} = 2.0 \text{ V}$	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; $V_{CC} = 9.0 \text{ V}$; see Figure 6	-	0.1	1.0	-	1.0	μΑ
I _{S(ON)}	ON-state leakage current	nY or nZ; $V_{CC} = 9.0 \text{ V}$; see Figure 7	-	0.1	1.0	-	1.0	μΑ
I _{CC}	supply current	nE, nY and nZ = V_{CC} or GND						
		V _{CC} = 6.0 V	-	-	10	-	20	μΑ
		V _{CC} = 9.0 V	-	-	20	-	40	μΑ

74HC_HCT2G66

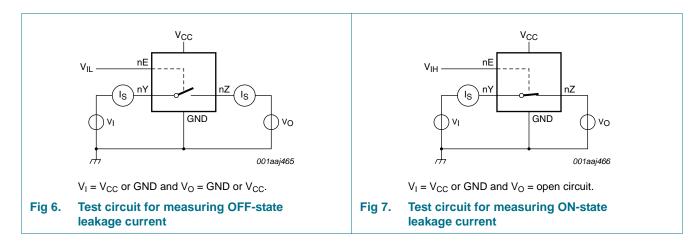
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Table 7. Static characteristics ...continued Voltages are referenced to GND (ground = 0 V).

Symbol	Parameter	Conditions	-40	–40 °C to +85 °C			-40 °C to +125 °C	
			Min	Typ[1]	Max	Min	Max	
Cı	input capacitance		-	3.5	-	-	-	pF
C_{PD}	power dissipation capacitance		-	9	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	8	-	-	-	pF
74HCT20	G66							
V _{IH}	HIGH-level input voltage	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	2.0	1.6	-	2.0	-	V
V_{IL}	LOW-level input voltage	$V_{CC} = 4.5 \text{ V to } 5.5 \text{ V}$	-	1.2	8.0	-	0.8	V
I _I	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; $V_{CC} = 5.5 \text{ V}$; see Figure 6	-	0.1	1.0	-	1.0	μΑ
I _{S(ON)}	ON-state leakage current	nY or nZ; $V_{CC} = 5.5 \text{ V}$; 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
Δl _{CC}	additional supply current	$nE = V_{CC} - 2.1 \text{ V; } I_O = 0 \text{ A;}$ $V_{CC} = 4.5 \text{ V to } 5.5 \text{ V;}$	-	-	375	-	410	μΑ
Cı	input capacitance		-	3.5	-	-	-	pF
C_{PD}	power dissipation capacitance		-	9	-	-	-	pF
C _{S(ON)}	ON-state capacitance		-	8	-	-	-	pF

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

10.1 Test circuits



10.2 ON resistance

Table 8. ON resistance for 74HC2G66 and 74HCT2G66

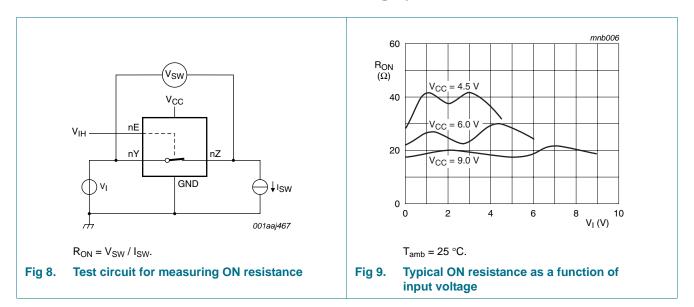
At recommended operating conditions; voltages are referenced to GND (ground 0 V); for graph see Figure 9.

Symbol	Parameter	Conditions	-40	°C to +8	5 °C	-40 °C to +125 °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
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	41	118	-	142	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	30	105	-	126	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 9.0 \text{ V}$	-	21	88	-	105	Ω
R _{ON(rail)}	ON resistance (rail)	$V_I = GND$; see Figure 8 and 9						
		$I_{SW} = 0.1 \text{ mA}; V_{CC} = 2.0 \text{ V}$	-	65	-	-	-	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	28	95	-	115	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	22	82	-	100	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 9.0 \text{ V}$	-	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
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	31	106	-	128	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 6.0 \text{ V}$	-	23	94	-	113	Ω
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 9.0 \text{ V}$	-	19	78	-	95	Ω
ΔR_{ON}	ON resistance mismatch	$V_I = V_{CC}$ to GND; see Figure 8 and 9						
	between channels	V _{CC} = 4.5 V	-	5	-	-	-	Ω
		V _{CC} = 6.0 V	-	4	-	-	-	Ω
		V _{CC} = 9.0 V	-	3	-	-	-	Ω
74HCT2G	666							
R _{ON(peak)}	ON resistance (peak)	$V_I = GND$ to V_{CC} ; see Figure 8 and 9						
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	41	118	-	142	Ω
R _{ON(rail)}	ON resistance (rail)	V _I = GND; see <u>Figure 8</u> and <u>9</u>						
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	28	95	-	115	Ω
		$V_I = V_{CC}$; see <u>Figure 8</u> and <u>9</u>						
		$I_{SW} = 1.0 \text{ mA}; V_{CC} = 4.5 \text{ V}$	-	31	106	-	128	Ω
ΔR_{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.

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 to +125 °C		Unit
				Min	Typ[1]	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 Figure 11	[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}	[3]	-	9	-	-	-	pF

 Table 9.
 Dynamic characteristics ...continued

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

Symbol	Parameter	neter Conditions		–40 °C to +85 °C		-40 °C t	o +125 °C	Unit	
				Min	Typ[1]	Max	Min	Max	
74HCT2	G66		·						
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 Figure 11	[2]						
		V _{CC} = 4.5 V		-	13	44	-	53	ns
C _{PD}	power dissipation capacitance	$V_I = GND \text{ to } V_{CC} - 1.5 \text{ V}$	[3]	-	9	-	-	-	pF

- [1] All typical values are measured at $T_{amb} = 25$ °C.
- [2] t_{pd} is the same as t_{PLH} and t_{PHL} .

 t_{en} is the same as t_{PZL} and t_{PZH} .

 t_{dis} is the same as t_{PLZ} and t_{PHZ} .

[3] C_{PD} is used to determine the dynamic power dissipation P_D (μW).

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

f_i = input frequency in MHz;

f_o = output frequency in MHz;

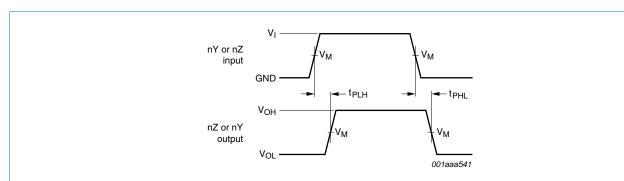
C_L = output load capacitance in pF;

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

V_{CC} = supply voltage in volts;

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

11.1 Waveforms and test circuit



Measurement points are given in Table 10.

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

Fig 10. Input (nY or nZ) to output (nZ or nY) propagation delays

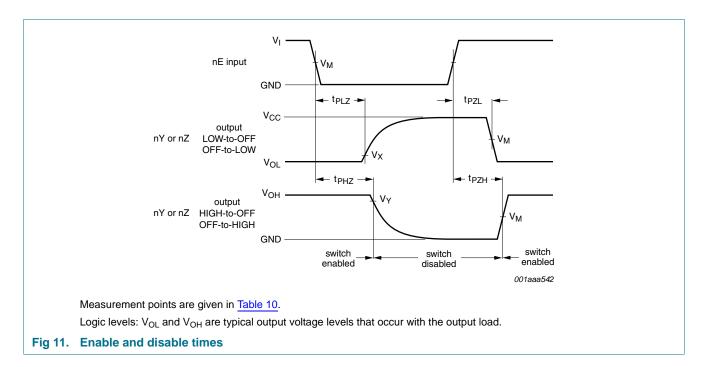
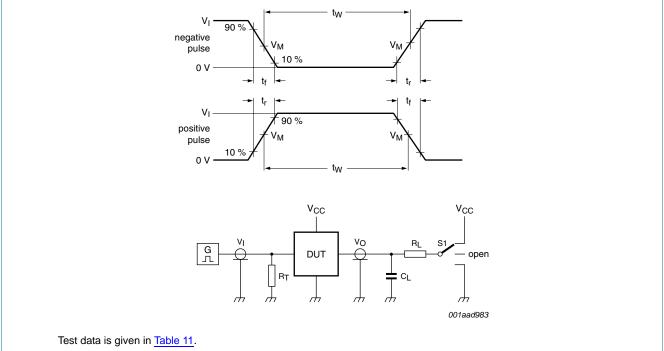


Table 10. Measurement points

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 %		



Definitions for 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_1 = Load resistance.

S1 = Test selection switch.

Fig 12. Test circuit for measuring switching times

Table 11. Test data

Туре	Input		Load		S1 position			
	V _I	t _r , t _f [1]	CL	R _L	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	Max	Unit
THD	total harmonic	$f_i = 1 \text{ kHz}$; $R_L = 10 \text{ k}\Omega$; see Figure 13				%
	distortion	$V_{CC} = 4.5 \text{ V}; V_I = 4.0 \text{ V (p-p)}$	-	0.04	-	%
		$V_{CC} = 9.0 \text{ V}; V_I = 8.0 \text{ V (p-p)}$	-	0.02	-	%
		f_i = 10 kHz; R_L = 10 k Ω ; see <u>Figure 13</u>				
		$V_{CC} = 4.5 \text{ V}; V_I = 4.0 \text{ V (p-p)}$	-	0.12	-	%
		$V_{CC} = 9.0 \text{ V}; V_I = 8.0 \text{ V (p-p)}$	-	0.06	-	%

74HC_HCT2G66

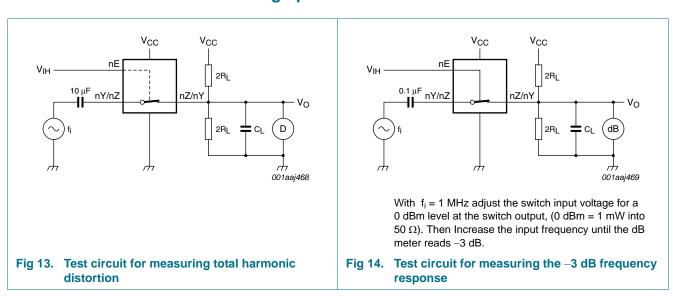
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Table 12. Additional dynamic characteristics for 74HC2G66 and 74HCT2G66 ...continued

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	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
$\alpha_{\rm iso}$ isolation (OFF-state)		$R_L = 600 \Omega$; $f_i = 1 MHz$; see Figure 16 and 17				
		V _{CC} = 4.5 V	-	-50	-	dB
		V _{CC} = 9.0 V	-	-50	-	dB
V_{ct}	crosstalk voltage	between digital input and switch (peak to peak value); R_L = 600 Ω ; 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; $R_L = 600 \Omega$; $f_i = 1 \text{ MHz}$; see Figure 19				
		V _{CC} = 4.5 V	-	-60	-	dB
		V _{CC} = 9.0 V	-	-60	-	dB

11.3 Test circuits and graphs



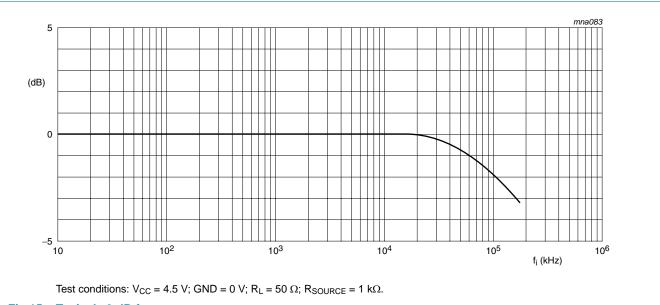
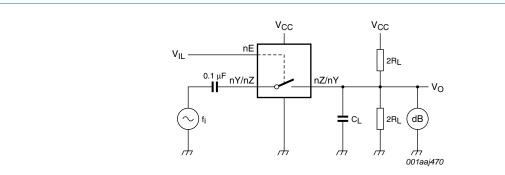
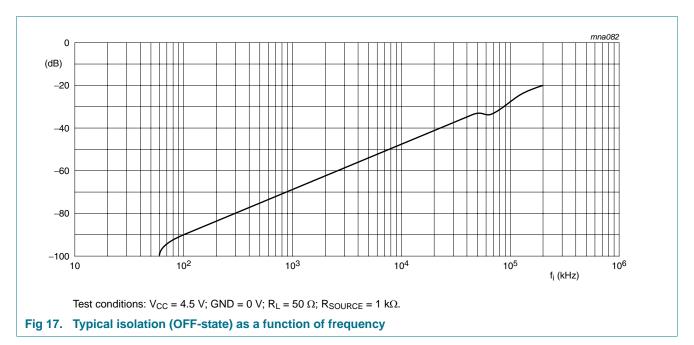


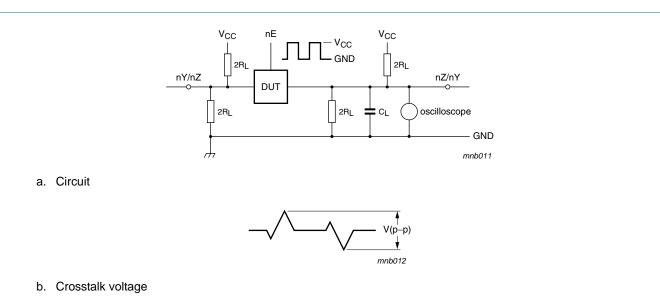
Fig 15. Typical –3 dB frequency response



Adjust the switch input voltage for a 0 dBm level (0 dBm = 1 mW into 600 Ω)

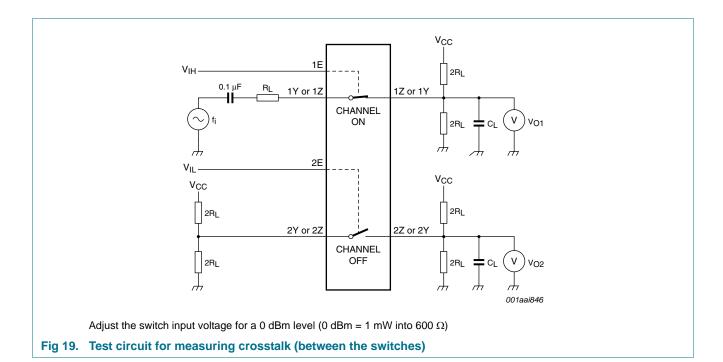
Fig 16. Test circuit for measuring isolation (OFF-state)





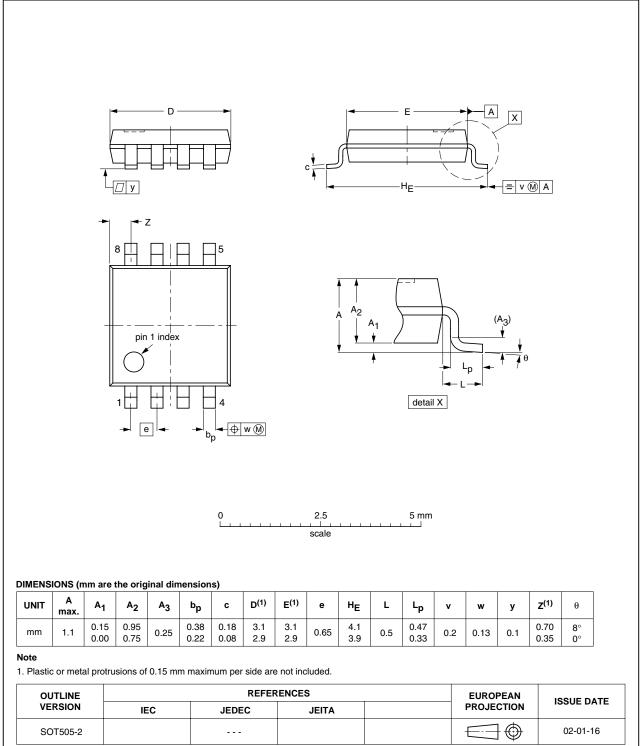
Adjust the switch input voltage for a 0 dBm level (0 dBm = 1 mW into 600 Ω)

Fig 18. Test circuit for measuring crosstalk voltage (between the digital input and the switch)



12. Package outline

TSSOP8: plastic thin shrink small outline package; 8 leads; body width 3 mm; lead length 0.5 mm SOT505-2



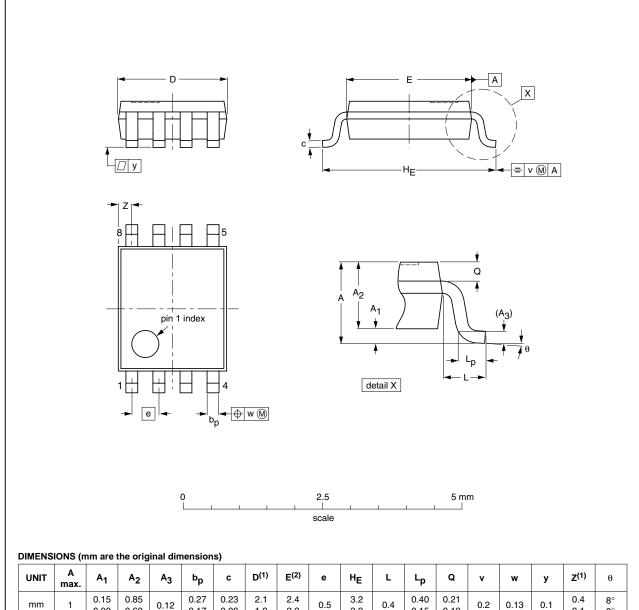
OUTLINE		REFER	EUROPEAN	ISSUE DATE			
VERSION	IEC	JEDEC	JEITA		PROJECTION	1550E DATE	
SOT505-2						02-01-16	

Fig 20. Package outline SOT505-2 (TSSOP8)

74HC_HCT2G66

VSSOP8: plastic very thin shrink small outline package; 8 leads; body width 2.3 mm

SOT765-1



UNIT	A max.	A ₁	A ₂	A ₃	bp	U	D ⁽¹⁾	E ⁽²⁾	e	HE	L	Lp	Q	٧	w	у	Z ⁽¹⁾	θ
mm	1	0.15 0.00	0.85 0.60	0.12	0.27 0.17	0.23 0.08	2.1 1.9	2.4 2.2	0.5	3.2 3.0	0.4	0.40 0.15	0.21 0.19	0.2	0.13	0.1	0.4 0.1	8° 0°

- 1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
- 2. Plastic or metal protrusions of 0.25 mm maximum per side are not included.

OUTLINE		REFER	EUROPEAN	ISSUE DATE			
VERSION	IEC	JEDEC	JEITA		PROJECTION	ISSUE DATE	
SOT765-1		MO-187				02-06-07	

Fig 21. Package outline SOT765-1 (VSSOP8)

74HC_HCT2G66

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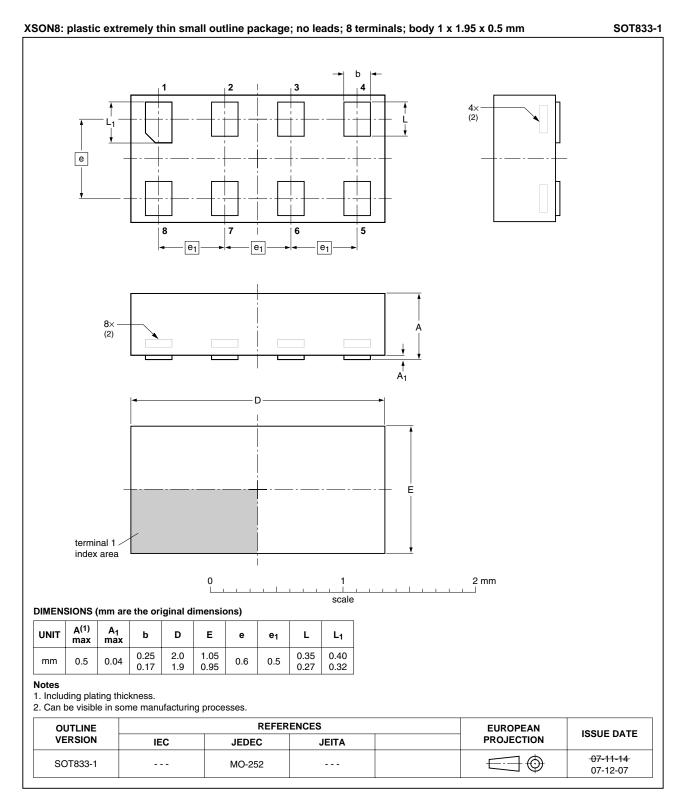


Fig 22. Package outline SOT833-1 (XSON8)

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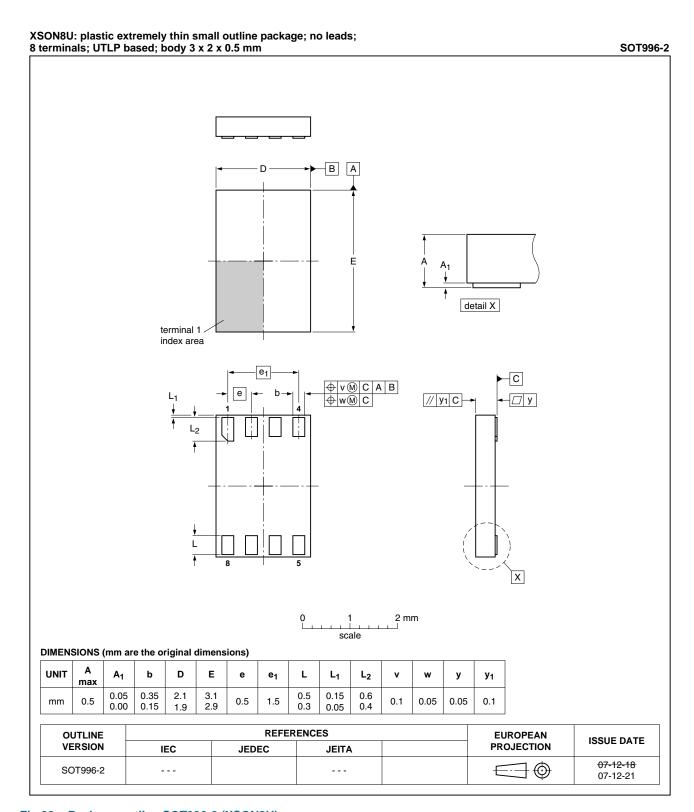


Fig 23. Package outline SOT996-2 (XSON8U)

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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.8	20100923	Product data sheet	-	74HC_HCT2G66 v.7
Modifications:	• Figure 4: Pi	n configuration drawing cen	tered.	
74HC_HCT2G66 v.7	20100914	Product data sheet	-	74HC_HCT2G66 v.6
Modifications:	 Added type 	number 74HC2G66GT and	74HCT2G66GT (XSON	N8 package)
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	20030808	Product specification	-	74HC_HCT2G66 v.1
74HC_HCT2G66 v.1	20030625	Product specification	-	-

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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74HC_HCT2G66

74HC2G66; 74HCT2G66

Dual single-pole single-throw analog switch

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