# XS3A2467

# Dual low-ohmic double-pole double-throw analog switch Rev. 2 — 31 July 2024 Product data sheet

### 1. General description

The XS3A2467 is a dual low-ohmic double-pole double-throw analog switch suitable for use as an analog or digital multiplexer/demultiplexer. It consists of four switches, each with two independent input/outputs (nY0 and nY1) and a common input/output (nZ). The two digital inputs (1S and 2S) are used to select the switch position. 1S is used in selecting the independent inputs/outputs switched to 1Z and 2Z, and 2S is used in selecting the independent inputs/outputs switched to 3Z and 4Z. Schmitt trigger action at the digital inputs makes the circuit tolerant to slower input rise and fall times. Low threshold digital inputs allows this device to be driven by 1.8 V logic levels in 3.3 V applications without significant increase in supply current  $I_{\rm CC}$ . This makes it possible for the XS3A2467 to switch 4.3 V signals with a 1.8 V digital controller, eliminating the need for logic level translation. The XS3A2467 allows signals with amplitude up to  $V_{\rm CC}$  to be transmitted from nZ to nY0 or nY1; or from nY0 or nY1 to nZ. Its low ON resistance (0.5  $\Omega$ ) and flatness (0.13  $\Omega$ ) ensures minimal attenuation and distortion of transmitted signals.

#### 2. Features and benefits

- · Wide supply voltage range from 1.4 V to 4.3 V
- Very low ON resistance (peak):
  - 1.6 Ω (typical) at V<sub>CC</sub> = 1.4 V
  - 1.0 Ω (typical) at V<sub>CC</sub> = 1.65 V
  - 0.55 Ω (typical) at V<sub>CC</sub> = 2.3 V
  - 0.5 Ω (typical) at V<sub>CC</sub> = 2.7 V
  - 0.5 Ω (typical) at V<sub>CC</sub> = 4.3 V
- Break-before-make switching
- High noise immunity
- CMOS low-power consumption
- Latch-up performance exceeds 100 mA per JESD78 Class II Level A
- 1.8 V control logic at V<sub>CC</sub> = 3.6 V
- · Control input accepts voltages above supply voltage
- Very low supply current, even when input is below V<sub>CC</sub>
- High current handling capability (350 mA continuous current under 3.3 V supply)
- ESD protection:
  - HBM ANSI/ESDA/JEDEC JS-001 class 3A exceeds 4000 V
  - CDM ANSI/ESDA/JEDEC JS-002 class C3 exceeds 1000 V
  - IEC61000-4-2 contact discharge exceeds 8000 V for switch ports
- Specified from -40 °C to +85 °C and from -40 °C to +125 °C

# 3. Applications

- Appliances
- Communication Systems
- Medical Equipment
- Analog Sensor Monitoring
- Audio Routing/Switching
- Test and Measurement



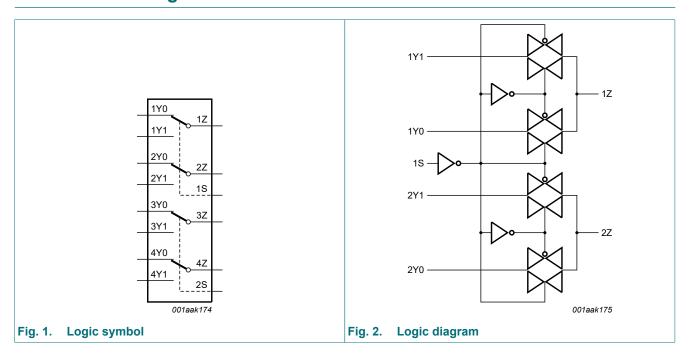
#### Dual low-ohmic double-pole double-throw analog switch

# 4. Ordering information

**Table 1. Ordering information** 

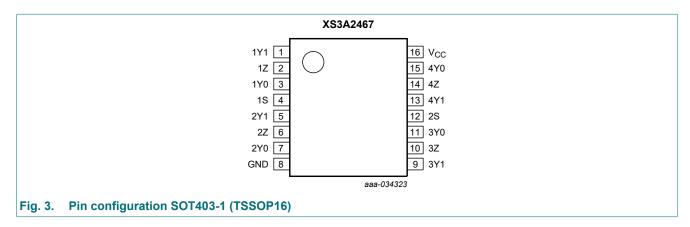
Type number	Package	:kage								
	Temperature range	Name	Description	Version						
XS3A2467PW	-40 °C to +125 °C	TSSOP16	plastic thin shrink small outline package; 16 leads; body width 4.4 mm	SOT403-1						

# 5. Functional diagram



# 6. Pinning information

#### 6.1. Pinning



#### Dual low-ohmic double-pole double-throw analog switch

# 6.2. Pin description

Table 2. Pin description

Symbol	Pin	Description				
1Y0, 2Y0, 3Y0, 4Y0 3, 7, 11, 15		independent input or output				
1S, 2S	4, 12	select input				
1Y1, 2Y1, 3Y1, 4Y1	1, 5, 9, 13	independent input or output				
1Z, 2Z, 3Z, 4Z	2, 6, 10, 14	common output or input				
GND	8	ground (0 V)				
V <sub>CC</sub>	16	supply voltage				

# 7. Functional description

#### Table 3. Function table

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

Input nS	Channel on
L	nY0
Н	nY1

# 8. 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	+4.6	V
VI	input voltage	select input nS [1]	-0.5	+4.6	V
$V_{SW}$	switch voltage	[2]	-0.5	V <sub>CC</sub> + 0.5	V
I <sub>IK</sub>	input clamping current	V <sub>I</sub> < -0.5 V	-50	-	mA
I <sub>SK</sub>	switch clamping current	$V_{I} < -0.5 \text{ V or } V_{I} > V_{CC} + 0.5 \text{ V}$	-	±50	mA
I <sub>SW</sub>	switch current	$V_{SW}$ > -0.5 V or $V_{SW}$ < $V_{CC}$ + 0.5 V; source or sink current	-	±350	mA
		$V_{SW}$ > -0.5 V or $V_{SW}$ < $V_{CC}$ + 0.5 V; pulsed at 1 ms duration, < 10 % duty cycle; peak current	-	±500	mA
T <sub>stg</sub>	storage temperature		-65	+150	°C
P <sub>tot</sub>	total power dissipation	$T_{amb} = -40  ^{\circ}\text{C} \text{ to } +125  ^{\circ}\text{C}$ [3]	-	500	mW

<sup>[1]</sup> The minimum input voltage rating may be exceeded if the input current rating is observed.

<sup>[2]</sup> The minimum and maximum switch voltage ratings may be exceeded if the switch clamping current rating is observed but may not exceed 4.6 V.

<sup>[3]</sup> For SOT403-1 (TSSOP16) package: Ptot derates linearly with 8.5 mW/K above 91 °C.

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# 9. Recommended operating conditions

Table 5. Recommended operating conditions

Symbol	Parameter	Conditions	Min	Max	Unit
$V_{CC}$	supply voltage		1.4	4.3	V
VI	input voltage	select input nS	0	4.3	V
$V_{SW}$	switch voltage	[1]	0	V <sub>CC</sub>	V
T <sub>amb</sub>	ambient temperature		-40	+125	°C
Δt/ΔV	input transition rise and fall rate	$V_{CC} = 1.4 \text{ V to } 4.3 \text{ V}$ [2]	-	200	ns/V

<sup>[1]</sup> To avoid sinking GND current from terminal nZ when switch current flows in terminal nYn, 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 nYn. In this case, there is no limit for the voltage drop across the switch.

#### 10. Static characteristics

**Table 6. Static characteristics** 

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

Symbol	Parameter	Conditions	Ta	<sub>mb</sub> = 25	°C	T <sub>amb</sub> = -40 °C to +85 °C		T <sub>amb</sub> = -40 °C to +125 °C		Unit
			Min	Тур	Max	Min	Max	Min	Max	
V <sub>IH</sub>	HIGH-level	V <sub>CC</sub> = 1.4 V to 1.6 V	0.9	-	-	0.9	-	0.9	-	V
	input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	0.9	-	-	0.9	-	0.9	-	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	1.1	-	-	1.1	-	1.1	-	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	1.3	-	-	1.3	-	1.3	-	V
		V <sub>CC</sub> = 3.6 V to 4.3 V	1.4	-	-	1.4	-	1.4	-	V
V <sub>IL</sub>	LOW-level	V <sub>CC</sub> = 1.4 V to 1.6 V	-	-	0.3	-	0.3	-	0.3	V
	input voltage	V <sub>CC</sub> = 1.65 V to 1.95 V	-	-	0.4	-	0.4	-	0.3	V
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	-	0.4	-	0.4	-	0.4	V
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	-	0.5	-	0.5	-	0.5	V
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	-	0.6	-	0.6	-	0.6	V
I <sub>I</sub>	input leakage current	select input nS; $V_I$ = GND to 4.3 V; $V_{CC}$ = 1.4 V to 4.3 V	-	-	-	-	±0.5	-	±1	μΑ
I <sub>S(OFF)</sub>	OFF-state leakage	nY0 and nY1 port; see <u>Fig. 4</u>								
	current	V <sub>CC</sub> = 1.4 V to 3.6 V	-	-	±5	-	±50	-	±500	nA
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	-	±10	-	±50	-	±500	nA
I <sub>S(ON)</sub>	ON-state	nZ port; see Fig. 5								
	leakage current	V <sub>CC</sub> = 1.4 V to 3.6 V	-	-	±15	-	±150	-	±1500	nA
	Current	V <sub>CC</sub> = 3.6 V to 4.3 V	-	-	±20	-	±150	-	±1500	nA
I <sub>CC</sub>	supply current	$V_I = V_{CC}$ or GND; $V_{SW} = GND$ or $V_{CC}$								
		V <sub>CC</sub> = 3.6 V	-	-	100	-	500	-	5000	nA
		V <sub>CC</sub> = 4.3 V	-	-	150	-	800	-	6000	nA

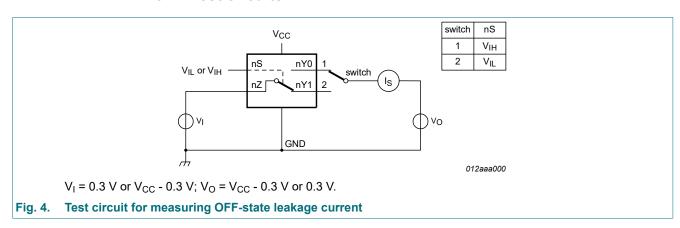
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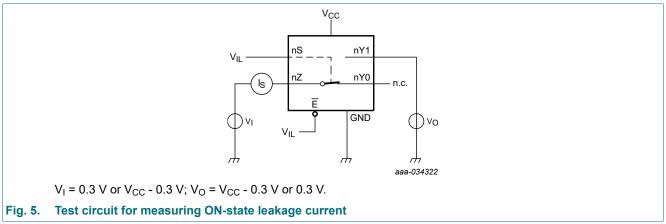
<sup>[2]</sup> Applies to control signal levels.

#### Dual low-ohmic double-pole double-throw analog switch

Symbol	Parameter	Conditions	T <sub>amb</sub> = 25 °C		T <sub>amb</sub> = -40 °C to +85 °C		T <sub>amb</sub> = -40 °C to +125 °C		Unit	
			Min	Тур	Max	Min	Max	Min	Max	
$\Delta I_{CC}$	additional	$V_{SW}$ = GND or $V_{CC}$								
	supply current	V <sub>I</sub> = 2.6 V; V <sub>CC</sub> = 4.3 V	-	2.0	4.0	-	7	-	7	μA
		V <sub>I</sub> = 2.6 V; V <sub>CC</sub> = 3.6 V	-	0.35	0.7	-	1	-	1	μΑ
		V <sub>I</sub> = 1.8 V; V <sub>CC</sub> = 4.3 V	-	7.0	10.0	-	15	-	15	μA
		V <sub>I</sub> = 1.8 V; V <sub>CC</sub> = 3.6 V	-	2.5	4.0	-	5	-	5	μA
		V <sub>I</sub> = 1.8 V; V <sub>CC</sub> = 2.5 V	-	50	200	-	300	-	500	nA
Cı	input capacitance		-	1.0	-	-	-	-	-	pF
C <sub>S(OFF)</sub>	OFF-state capacitance		-	35	-	-	-	-	-	pF
C <sub>S(ON)</sub>	ON-state capacitance		-	130	-	-	-	-	-	pF

### 10.1. Test circuits





#### Dual low-ohmic double-pole double-throw analog switch

#### 10.2. ON resistance

**Table 7. ON resistance** 

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for graphs see Fig. 7 to Fig. 13.

Symbol	Parameter	Conditions		T <sub>amb</sub> = -40 °C to +85 °C			T <sub>amb</sub> = to +1	Unit	
				า	Typ[1]	Max	Min	Max	
R <sub>ON(peak)</sub>	ON resistance (peak)	$V_I$ = GND to $V_{CC}$ ; $I_{SW}$ = 100 mA; see Fig. 6							
		V <sub>CC</sub> = 1.4 V	-		1.6	3.7	-	4.1	Ω
		V <sub>CC</sub> = 1.65 V	-		1.0	1.6	-	1.7	Ω
		V <sub>CC</sub> = 2.3 V	-		0.55	0.8	-	0.9	Ω
		V <sub>CC</sub> = 2.7 V	-		0.5	0.75	-	0.9	Ω
		V <sub>CC</sub> = 4.3 V	-		0.5	0.75	-	0.9	Ω
$\Delta R_{ON}$	ON resistance	$V_I$ = GND to $V_{CC}$ ; $I_{SW}$ = 100 mA	[2]						
	mismatch between channels	V <sub>CC</sub> = 1.4 V; V <sub>SW</sub> = 0.4 V	-		0.07	0.30	-	0.30	Ω
		V <sub>CC</sub> = 1.65 V; V <sub>SW</sub> = 0.5 V	-		0.07	0.20	-	0.30	Ω
		V <sub>CC</sub> = 2.3 V; V <sub>SW</sub> = 0.7 V	-		0.05	0.10	-	0.13	Ω
		V <sub>CC</sub> = 2.7 V; V <sub>SW</sub> = 0.8 V	-		0.05	0.10	-	0.13	Ω
		V <sub>CC</sub> = 4.3 V; V <sub>SW</sub> = 0.8 V	-		0.05	0.10	-	0.13	Ω
R <sub>ON(flat)</sub>	ON resistance	$V_I$ = GND to $V_{CC}$ ; $I_{SW}$ = 100 mA	[3]						
	(flatness)	V <sub>CC</sub> = 1.4 V	-		1.0	3.3	-	3.6	Ω
		V <sub>CC</sub> = 1.65 V	-		0.5	1.2	-	1.3	Ω
		V <sub>CC</sub> = 2.3 V	-		0.15	0.3	-	0.35	Ω
		V <sub>CC</sub> = 2.7 V	-		0.13	0.3	-	0.35	Ω
		V <sub>CC</sub> = 4.3 V	-		0.2	0.4	-	0.45	Ω

<sup>[1]</sup> Typical values are measured at T<sub>amb</sub> = 25 °C.

<sup>[2]</sup> Measured at identical V<sub>CC</sub>, temperature and input voltage.

<sup>[3]</sup> Flatness is defined as the difference between the maximum and minimum value of ON resistance measured at identical V<sub>CC</sub> and temperature.

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### 10.3. ON resistance test circuit and graphs

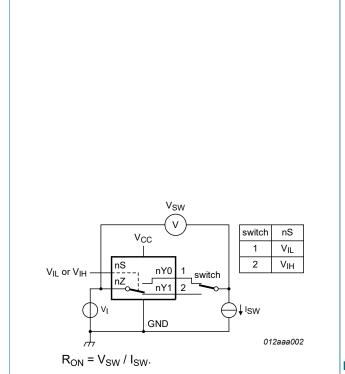
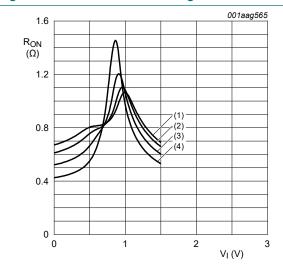
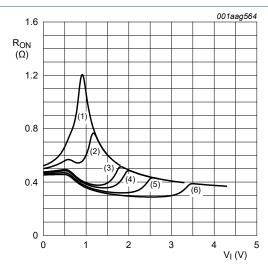


Fig. 6. Test circuit for measuring ON resistance



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

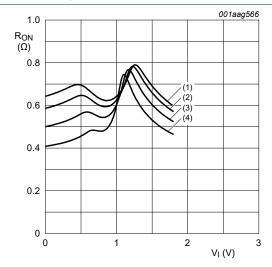
Fig. 8. ON resistance as a function of input voltage;  $V_{CC} = 1.5 \text{ V}$ 



- (1)  $V_{CC} = 1.5 \text{ V}$
- $(2) V_{CC} = 1.8 V$
- (3)  $V_{CC} = 2.5 V$
- (4)  $V_{CC} = 2.7 \text{ V}$
- $(5) V_{CC} = 3.3 V$
- (6)  $V_{CC} = 4.3 \text{ V}$

Measured at  $T_{amb}$  = 25 °C.

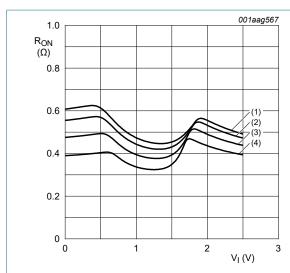
Fig. 7. Typical ON resistance as a function of input voltage



- (1)  $T_{amb} = 125 \, ^{\circ}C$
- (2) T<sub>amb</sub> = 85 °C
- (3)  $T_{amb} = 25 \, ^{\circ}C$
- (4)  $T_{amb}$  = -40 °C

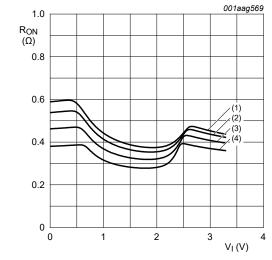
Fig. 9. ON resistance as a function of input voltage;  $V_{CC} = 1.8 \text{ V}$ 

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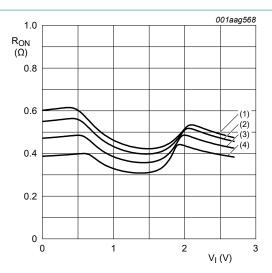
- (1)  $T_{amb} = 125 \, ^{\circ}C$
- (2)  $T_{amb} = 85 \, ^{\circ}C$
- (3) T<sub>amb</sub> = 25 °C
- (4)  $T_{amb} = -40 \, ^{\circ}C$

Fig. 10. ON resistance as a function of input voltage;  $V_{CC} = 2.5 \text{ V}$ 



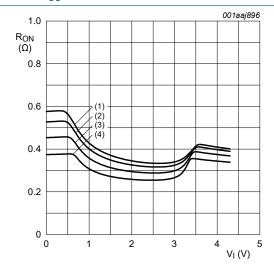
- (1)  $T_{amb}$  = 125 °C
- (2)  $T_{amb}$  = 85 °C
- (3) T<sub>amb</sub> = 25 °C
- (4)  $T_{amb} = -40 \, ^{\circ}C$

Fig. 12. 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. 11. ON resistance as a function of input voltage;  $V_{CC} = 2.7 \text{ V}$ 



- (1)  $T_{amb} = 125 \, ^{\circ}C$
- (2)  $T_{amb}$  = 85 °C
- (3)  $T_{amb} = 25 \, ^{\circ}C$
- (4) T<sub>amb</sub> = -40 °C

Fig. 13. ON resistance as a function of input voltage;  $V_{CC} = 4.3 \text{ V}$ 

#### Dual low-ohmic double-pole double-throw analog switch

# 11. Dynamic characteristics

**Table 8. Dynamic characteristics** 

At recommended operating conditions; voltages are referenced to GND (ground = 0 V); for test circuit see Fig. 16.

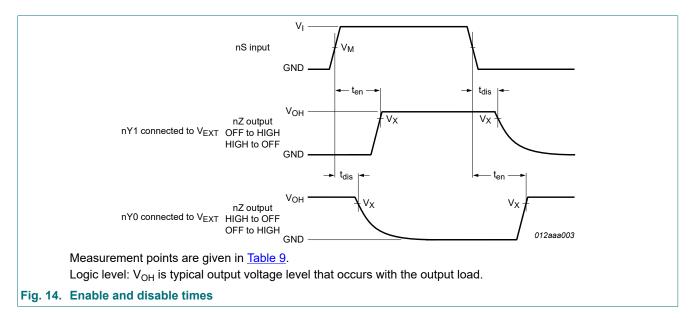
Symbol	Parameter	Conditions	T <sub>amb</sub> = 25 °C			T <sub>amb</sub> = -40 °C to +85 °C		T <sub>amb</sub> = -40 °C to +125 °C		Unit
			Min	Typ[1]	Max	Min	Max	Min	Max	
t <sub>en</sub>	enable time	nS to nZ or nYn; see Fig. 14								
		V <sub>CC</sub> = 1.4 V to 1.6 V	-	50	100	-	120	-	120	ns
		V <sub>CC</sub> = 1.65 V to 1.95 V	-	36	70	-	80	-	90	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	24	45	-	50	-	55	ns
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	22	40	-	45	-	50	ns
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	22	40	-	45	-	50	ns
t <sub>dis</sub>	disable time	nS to nZ or nYn; see Fig. 14								
		V <sub>CC</sub> = 1.4 V to 1.6 V	-	32	8 0	-	80	-	90	ns
		V <sub>CC</sub> = 1.65 V to 1.95 V	-	20	55	-	60	-	65	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	12	25	-	30	-	35	ns
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	10	20	-	25	-	30	ns
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	10	20	-	25	-	30	ns
t <sub>b-m</sub>	break-before-	see <u>Fig. 15</u> [2]								
	make time	V <sub>CC</sub> = 1.4 V to 1.6 V	-	19	-	9	-	9	-	ns
		V <sub>CC</sub> = 1.65 V to 1.95 V	-	17	-	7	-	7	-	ns
		V <sub>CC</sub> = 2.3 V to 2.7 V	-	13	-	4	-	4	-	ns
		V <sub>CC</sub> = 2.7 V to 3.6 V	-	10	-	3	-	3	-	ns
		V <sub>CC</sub> = 3.6 V to 4.3 V	-	10	-	2	-	2	-	ns

<sup>[1]</sup> Typical values are measured at  $T_{amb}$  = 25 °C and  $V_{CC}$  = 1.5 V, 1.8 V, 2.5 V, 3.3 V and 4.3 V respectively.

<sup>[2]</sup> Break-before-make guaranteed by design.

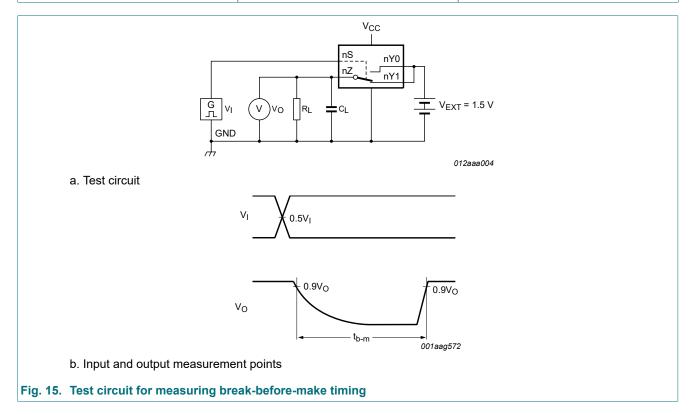
#### Dual low-ohmic double-pole double-throw analog switch

#### 11.1. Waveform and test circuits

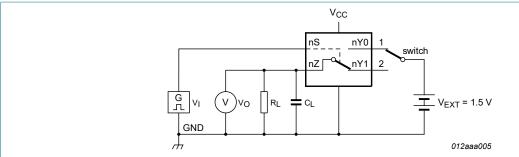


**Table 9. Measurement points** 

Supply voltage	Input	Output
V <sub>CC</sub>	V <sub>M</sub>	V <sub>X</sub>
1.4 V to 4.3 V	0.5V <sub>CC</sub>	0.9V <sub>OH</sub>



#### Dual low-ohmic double-pole double-throw analog switch



Test data is given in Table 10.

Definitions test circuit:

R<sub>I</sub> = Load resistance;

C<sub>L</sub> = Load capacitance including jig and probe capacitance;

 $V_{\mathsf{EXT}}$  = External voltage for measuring switching times.

Fig. 16. Test circuit for measuring switching times

Table 10. Test data

Supply voltage	Input L		Load			
V <sub>CC</sub>	VI	t <sub>r</sub> , t <sub>f</sub>	CL	R <sub>L</sub>		
1.4 V to 4.3 V	V <sub>CC</sub>	≤ 2.5 ns	35 pF	50 Ω		

# 11.2. Additional dynamic characteristics

#### Table 11. Additional dynamic characteristics

At recommended operating conditions; voltages are referenced to GND (ground = 0 V);  $V_I$  = GND or  $V_{CC}$  (unless otherwise specified);  $t_r$  =  $t_f$   $\leq$  2.5 ns.

Symbol	Parameter	Conditions		T <sub>amb</sub> = 25 °C			Unit
			Mi	n	Тур	Max	
THD	total harmonic	$f_i$ = 20 Hz to 20 kHz; $R_L$ = 32 $\Omega$ ; see Fig. 17	1]				
	distortion	V <sub>CC</sub> = 1.4 V; V <sub>I</sub> = 1 V (p-p)	-		0.17	-	%
		V <sub>CC</sub> = 1.65 V; V <sub>I</sub> = 1.2 V (p-p)	-		0.10	-	%
		V <sub>CC</sub> = 2.3 V; V <sub>I</sub> = 1.5 V (p-p)	-		0.05	-	%
		$V_{CC} = 2.7 \text{ V}; V_I = 2 \text{ V (p-p)}$	-		0.04	-	%
		V <sub>CC</sub> = 4.3 V; V <sub>I</sub> = 2 V (p-p)	-		0.01	-	%
f <sub>(-3dB)</sub>	-3 dB frequency	$R_L$ = 50 Ω; see <u>Fig. 18</u>	1]				
	response	V <sub>CC</sub> = 1.4 V to 4.3 V	-		40	-	MHz
$\alpha_{\text{iso}}$	isolation	$f_i$ = 100 kHz; $R_L$ = 50 Ω; see <u>Fig. 19</u>	1]				
	(OFF-state)	V <sub>CC</sub> = 1.4 V to 4.3 V	-		-90	-	dB
V <sub>ct</sub>	crosstalk voltage	between digital inputs and switch; $f_i$ = 1 MHz; $C_L$ = 50 pF; $R_L$ = 50 $\Omega$ ; see Fig. 20					
		V <sub>CC</sub> = 1.4 V to 3.6 V	-		0.4	-	V
		V <sub>CC</sub> = 3.6 V to 4.3 V	-		0.6	-	V
Xtalk	crosstalk	between switches; $f_i$ = 100 kHz; $R_L$ = 50 $\Omega$ ; see Fig. 21	1]				
		V <sub>CC</sub> = 1.4 V to 4.3 V	-		-90	-	dB

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Symbol	Parameter	Conditions	T <sub>amb</sub> = 25 °C			Unit
			Min	Тур	Max	
Q <sub>inj</sub>	charge injection	$f_i = 1 \text{ MHz; } C_L = 0.1 \text{ nF; } R_L = 1 \text{ M}\Omega; V_{gen} = 0 \text{ V; } R_{gen} = 0 \Omega;$ see Fig. 22				
		V <sub>CC</sub> = 1.5 V	-	3	-	рC
		V <sub>CC</sub> = 1.8 V	-	4	-	рC
		V <sub>CC</sub> = 2.5 V	-	6	-	рC
		V <sub>CC</sub> = 3.3 V	-	9	-	рC
		V <sub>CC</sub> = 4.3 V	-	15	-	рС

[1]  $f_i$  is biased at 0.5 $V_{CC}$ .

#### 11.3. Test circuits

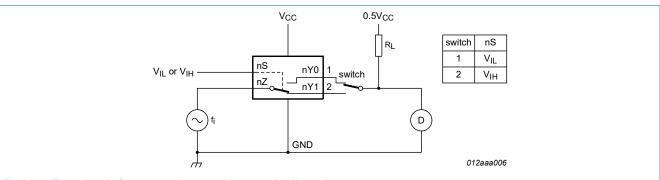
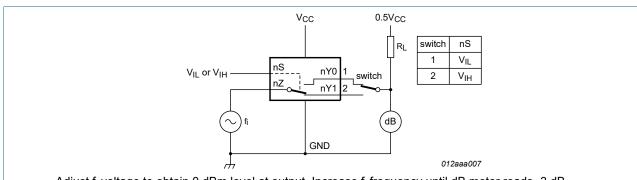
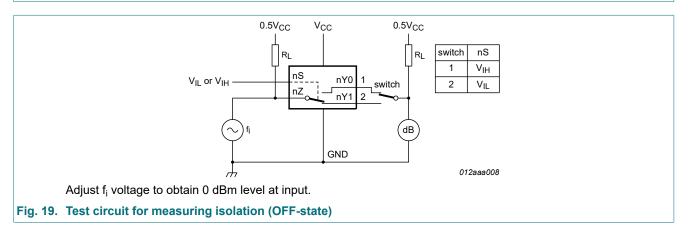


Fig. 17. Test circuit for measuring total harmonic distortion



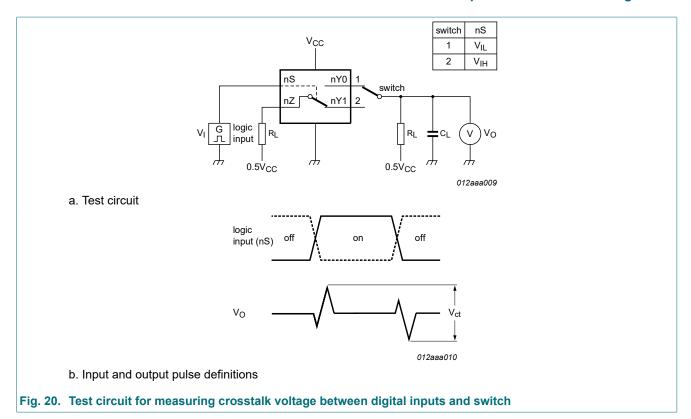
Adjust f<sub>i</sub> voltage to obtain 0 dBm level at output. Increase f<sub>i</sub> frequency until dB meter reads -3 dB.

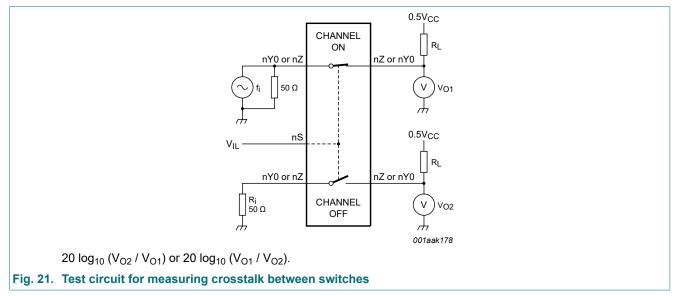
Fig. 18. Test circuit for measuring the frequency response when channel is in ON-state



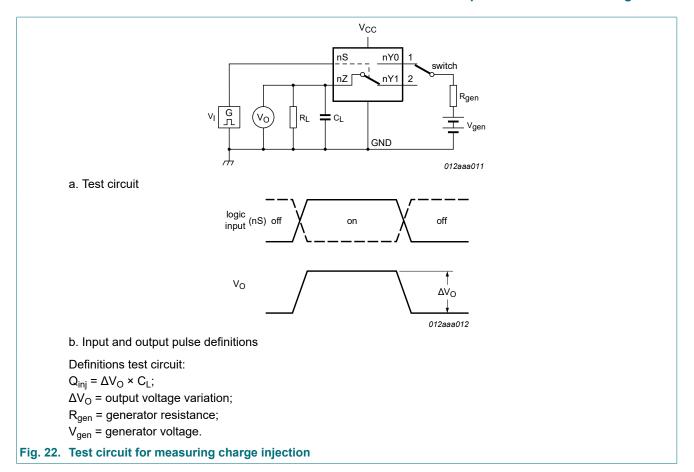
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# 12. Package outline

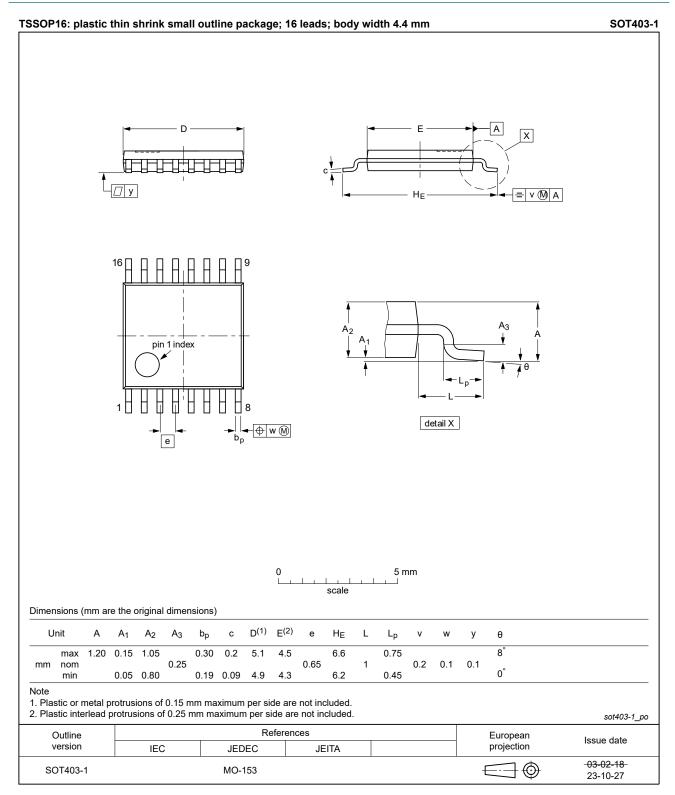


Fig. 23. Package outline SOT403-1 (TSSOP16)

#### Dual low-ohmic double-pole double-throw analog switch

# 13. Abbreviations

#### **Table 12. Abbreviations**

Acronym Description		
ANSI	American National Standards Institute	
CDM	Charged Device Model	
CMOS	Complementary Metal-Oxide Semiconductor	
ESD	ElectroStatic Discharge	
ESDA	ElectroStatic Discharge Association	
НВМ	Human Body Model	
JEDEC	Joint Electron Device Engineering Council	

# 14. Revision history

#### **Table 13. Revision history**

Document ID	Release date	Data sheet status	Change notice	Supersedes	
XS3A2467 v.2	20240731	Product data sheet	-	XS3A2467 v.1	
Modifications:	Fig. 23: Aligned TSSOP package outline drawing to JEDEC MO-153				
XS3A2467 v.1	20220211	Product data sheet	-	-	

#### Dual low-ohmic double-pole double-throw analog switch

### 15. 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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