



**NCV8405A, NCV8405B**



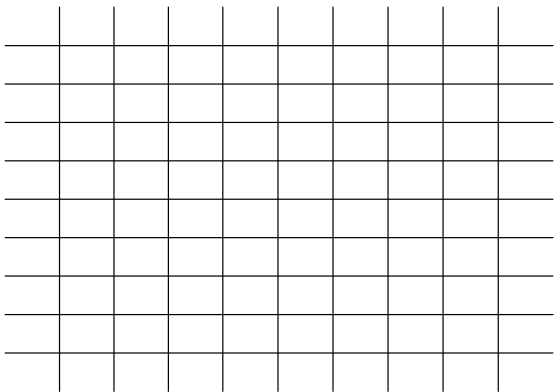
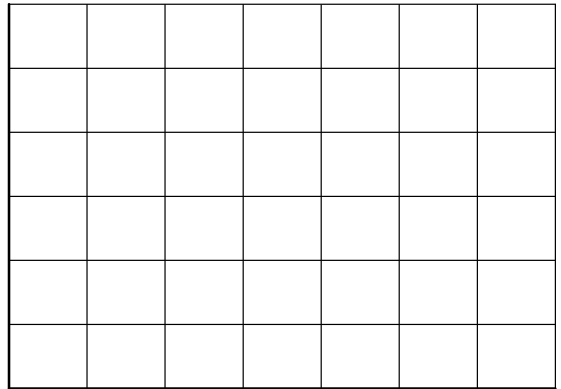
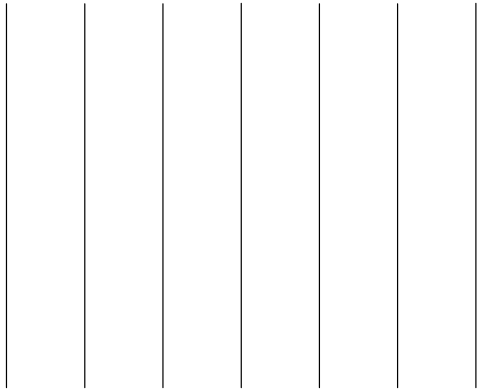


NCV8405A, NCV8405B

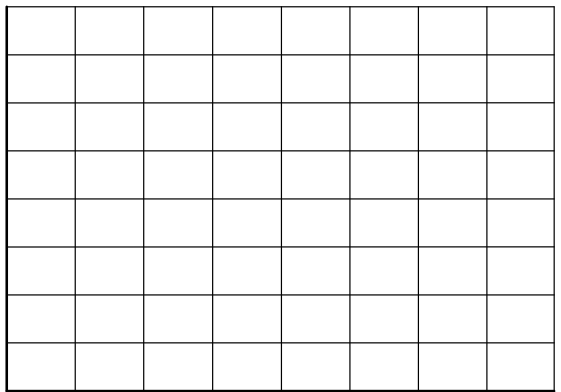


# NCV8405A, NCV8405B

## TYPICAL PERFORMANCE CURVES



DRAIN-SOURCE VOLTAGE SLOPE (V/ $\mu$ s)



# NCV8405A, NCV8405B

## TYPICAL PERFORMANCE CURVES

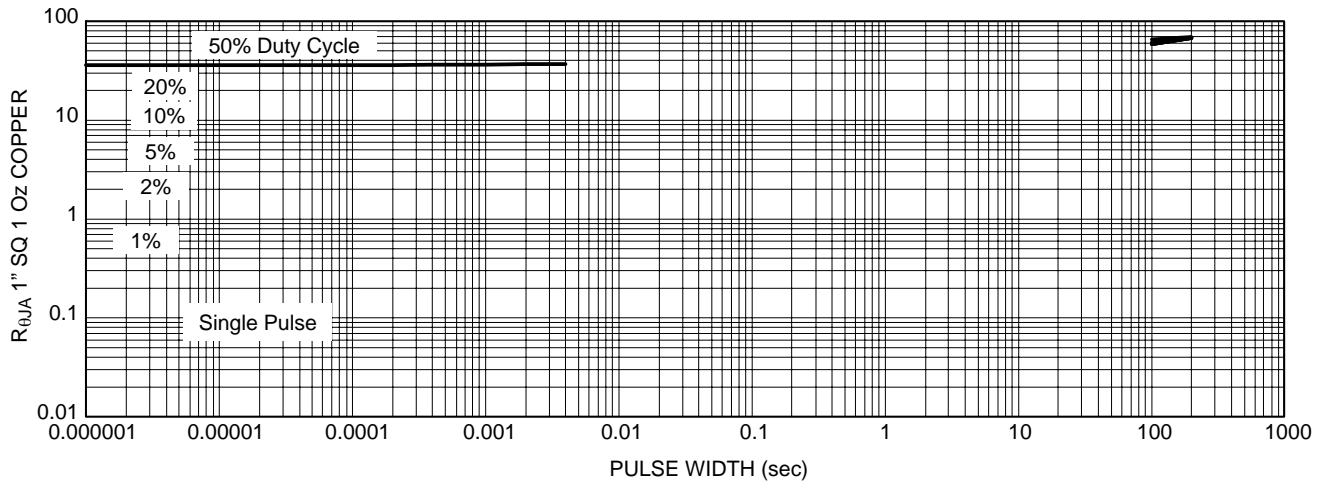


Figure 20. Transient Thermal Resistance



# NCV8405A, NCV8405B

## TEST CIRCUITS AND WAVEFORMS

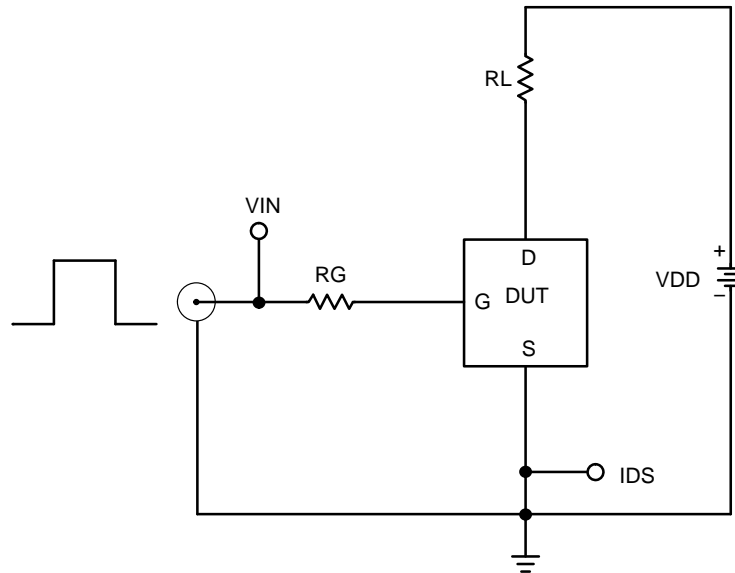


Figure 22. Resistive Load Switching Test Circuit

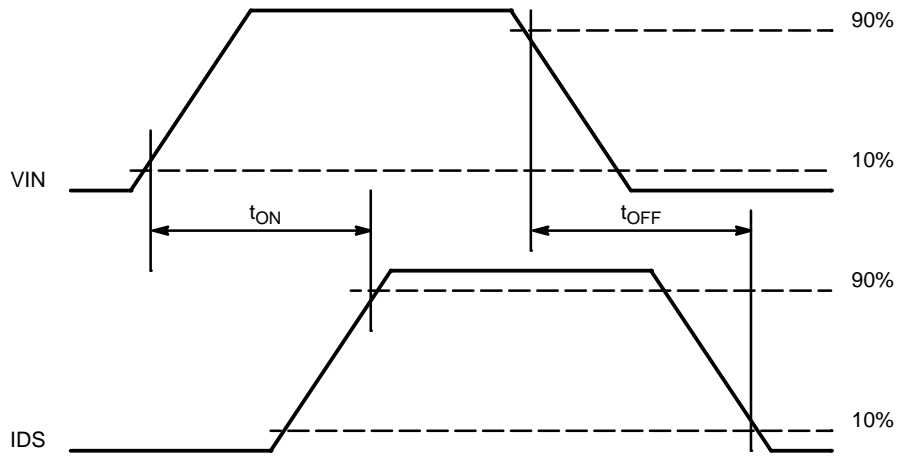


Figure 23. Resistive Load Switching Waveforms



# NCV8405A, NCV8405B

## ORDERING INFORMATION

Device	Package	Shipping†
NCV8405ASTT1G	SOT-223 (Pb-Free)	1000 / Tape & Reel
NCV8405ASTT3G	SOT-223 (Pb-Free)	4000 / Tape & Reel
NCV8405ADTRKG	DPAK (Pb-Free)	2500 / Tape & Reel
NCV8405BDTRKG	DPAK (Pb-Free)	2500 / Tape & Reel

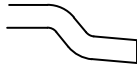
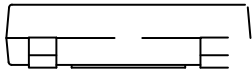
†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.



SCALE 1:1

SOT-223 (TO-261)  
CASE 318E 04  
ISSUE R

DATE 02 OCT 2018



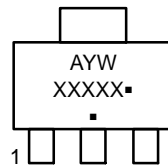
MILLIMETERS			
DIM	MIN.	NOM.	MAX.
A	1.50	1.63	1.75
A1	0.02	0.06	0.10
b			
D	6.30	6.50	6.70
E	3.30	3.50	3.70
e	2.30 BSC		

**SOT-223 (TO-261)**  
**CASE 318E 04**  
**ISSUE R**

DATE 02 OCT 2018

- |   |  |  |  |  |
|---|--|--|--|--|
| LE 1:<br>IN 1. BA E<br>2. C LLEC<br>3. EMI E<br>4. C LLEC | LE 2:<br>IN 1. AN DE<br>2. CA H DE<br>3. NC<br>4. CA H DE        | LE 3:<br>IN 1. GA E<br>2. DAIN<br>3. CE<br>4. DAIN         | LE 4:<br>IN 1. CE<br>2. DAIN<br>3. GA E<br>4. DAIN | LE 5:<br>IN 1. DAIN<br>2. GA E<br>3. CE<br>4. GA E         |
| LE 6:<br>IN 1. E<br>2. IN<br>3.<br>4. IN                  | LE 7:<br>IN 1. AN DE 1<br>2. CA H DE<br>3. AN DE 2<br>4. CA H DE | LE 8:<br>CANCELLED   | LE 9:<br>IN 1. IN<br>2. GAND<br>3. L G<br>4. GAND  | LE 10:<br>IN 1. CA H DE<br>2. AN DE<br>3. GA E<br>4. AN DE |
| LE 11:<br>IN 1. M 1<br>2. M 2<br>3. GA E<br>4. M 2        | LE 12:<br>IN 1. IN<br>2.<br>3. NG<br>4.                          | LE 13:<br>IN 1. GA E<br>2. C LLEC<br>3. EMI E<br>4. C LLEC |  |  |

**GENERIC  
MARKING DIAGRAM\***




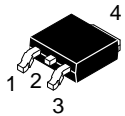
- A = Assembly Location
- Y = Year
- W = Work Week
- XXXXX = Specific Device Code
- = Pb Free Package

(Note: Microdot may be in either location)

\*This information is generic. Please refer to device data sheet for actual part marking. Pb Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

<b>DOCUMENT NUMBER:</b>	<b>98ASB42680B</b>	Electronic versions are uncontrolled except when accessed directly from the Document Repository. Printed versions are uncontrolled except when stamped "CONTROLLED COPY" in red.
<b>DESCRIPTION:</b>	<b>SOT-223 (TO-261)</b>	<b>PAGE 2 OF 2</b>

**onsemi** and  are trademarks of Semiconductor Components Industries, LLC dba **onsemi** or its subsidiaries in the United States and/or other countries. **onsemi** reserves the right to make changes without further notice to any products herein. **onsemi** makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does **onsemi** assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. **onsemi** does not convey any license under its patent rights nor the rights of others.



SCALE 1:1

**DPAK (SINGLE GAUGE)**  
CASE 369C  
ISSUE G

DATE 31 MAY 2023

STYLE 1: PIN 1. BASE 2. COLLECTOR 3. EMITTER 4. COLLECTOR	STYLE 2: PIN 1. GATE 2. DRAIN 3. SOURCE 4. DRAIN	STYLE 3: PIN 1. ANODE 2. CATHODE 3. ANODE 4. CATHODE	STYLE 4: PIN 1. CATHODE 2. ANODE 3. GATE 4. ANODE	STYLE 5: PIN 1. GATE 2. ANODE 3. CATHODE 4. ANODE
STYLE 6: PIN 1. MT1 2. MT2 3. GATE 4. MT2	STYLE 7: PIN 1. GATE 2. COLLECTOR 3. EMITTER 4. COLLECTOR	STYLE 8: PIN 1. N/C 2. CATHODE 3. ANODE 4. CATHODE	STYLE 9: PIN 1. ANODE 2. CATHODE 3. RESISTOR ADJUST 4. CATHODE	STYLE 10: PIN 1. CATHODE 2. ANODE 3. CATHODE 4. ANODE

onsemi

onsemi

onsemi

onsemi

— — — — —  
— onsemi —  
— onsemi —

onsemi

