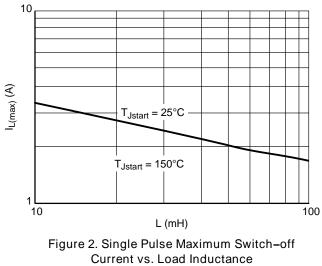
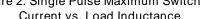


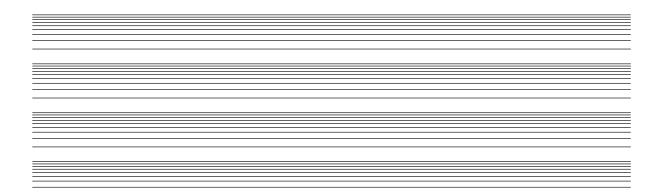
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MAXIMUM RATINGS (T_J = 25° C unless otherwise noted)

| Rating | Symbol | Value | Unit | | |
|--|---|------------------|-----------------------------------|---|--|
| Drain-to-Source Voltage Internally Clamped | | V _{DSS} | 42 | V | |
| Drain-to-Gate Voltage Internally Clamped | (R _G = 1.0 MΩ) | V _{DGR} | 42 | V | |
| Gate-to-Source Voltage | V_{GS} | ±14 | V | | |
| Continuous Drain Current | | Ι _D | I _D Internally Limited | | |
| Total Power Dissipation – SOT–223 Version | @ $T_A = 25^{\circ}C$ (Note 1) @ $T_A = 25^{\circ}C$ (Note 2) @ $T_S = 25^{\circ}C$) | P _D | 1.1 1.74 8.9 | W | |
| Total Power Dissipation – DFN Version | @ $T_A = 25^{\circ}C$ (Note 1) @ $T_A = 25^{\circ}C$ (Note 2) @ $T_S = 25^{\circ}C$) | PD | 0.76 1.78 8.9 | W | |







TEST CIRCUITS AND WAVEFORMS

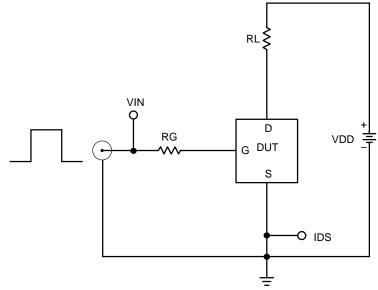
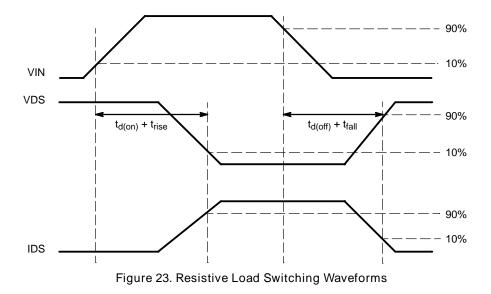


Figure 22. Resistive Load Switching Test Circuit



ORDERING INFORMATION

| Device* | Package | Shipping [†] | |
|----------------|-----------------------------------|-----------------------|--|
| NCV8402STT1G | SOT-223 | 1000 / Tape & Reel | |
| NCV8402ASTT1G | (Pb-Free) | | |
| NCV8402STT3G | SOT-223 | 4000 / Tape & Reel | |
| NCV8402ASTT3G | (Pb-Free) | | |
| NCV8402AMNT2G | DFN6 (Pb–Free) | 2000 / Tape & Reel | |
| NCV8402AMNWT1G | DFN6 (Pb-Free, Wettable Flank) | 3000 / Tape & Reel | |

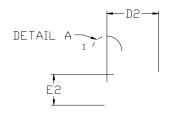
†For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D.
*NCV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC–Q101 Qualified and PPAP

Capable.

PACKAGE DIMENSIONS

DFN6 3.0x3.3, 0.95P CASE 506AX ISSUE A

DATE 22 SEP 2020

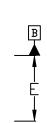




BOTTOM VIEW



DATE 02 OCT 2018



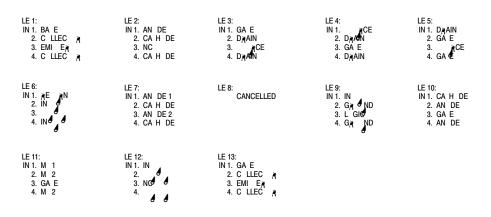
| | MILLIMETERS | | | | | |
|-----|-------------|------|------|--|--|--|
| DIM | MIN. | NDM. | MAX. | | | |
| A | 1.50 | 1.63 | 1.75 | | | |
| A1 | 0.02 | 0.06 | 0.10 | | | |
| b | | | | | | |
| | | | | | | |
| D | 6.30 | 6.50 | 6.70 | | | |
| E | 3.30 | 3.50 | 3.70 | | | |
| e | 2.30 BSC | | | | | |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

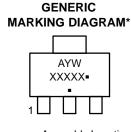
2





DATE 02 OCT 2018





- 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.

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|------------------|---|--|-------------|--|--|
| DESCRIPTION: | SOT-223 (TO-261) | | PAGE 2 OF 2 | | |
| | | | | | |

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DFNW6 3x3, 0.95P CASE 506DK ISSUE A

DATE 07 MAY 2021

SCALE 2:1

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