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| Title of Change: | Addition of Rthjc and revision of maximum current & power ratings in the datasheet of NVTFS012P03P8ZTAG |
| Effective date: | 12 Sep 2024 |
| Contact information: | Contact your local onsemi Sales Office or Sarmila.Kamalanathan@onsemi.com |
| Type of notification: | This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin. |
| Change Category: | Datasheet update |
| Change Sub-Category(s): | Datasheet/Product Doc change |

Sites Affected:

| onsemi Sites | External Foundry/Subcon Sites |
|--------------|-------------------------------|
| None | None |

Description and Purpose:

This Product Bulletin is to announce that onsemi is updating maximum current, continuous current and power dissipation ratings and adding $R_{\theta JC}$ values in product datasheet for NVTFS012P03P8ZTAG. There is no change to the product BOM and assembly process. There is no product marking change.

| Differences | Before | After | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Continuous drain current and power dissipation | <table><tr><th colspan="2">Parameter</th><th>Symbol</th><th>Value</th><th>Unit</th></tr><tr><td colspan="2">Drain-to-Source Voltage</td><td>V_{DS}</td><td>-30</td><td>V</td></tr><tr><td colspan="2">Gate-to-Source Voltage</td><td>V_{GS}</td><td>± 25</td><td>V</td></tr><tr><td rowspan="2">Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3)</td><td rowspan="2">Steady State</td><td>$T_A = 25^{\circ}\text{C}$</td><td>I_D</td><td>-11.7</td><td>A</td></tr><tr><td>$T_A = 85^{\circ}\text{C}$</td><td></td><td>-8.4</td><td></td></tr><tr><td>Power Dissipation $R_{\theta JA}$ (Notes 1, 3)</td><td></td><td>$T_A = 25^{\circ}\text{C}$</td><td>P_D</td><td>2.40</td><td>W</td></tr><tr><td rowspan="2">Continuous Drain Current $R_{\theta JA}$ (Notes 2, 3)</td><td rowspan="2">Steady State</td><td>$T_A = 25^{\circ}\text{C}$</td><td>I_D</td><td>-7.0</td><td>A</td></tr><tr><td>$T_A = 85^{\circ}\text{C}$</td><td></td><td>-5.1</td><td></td></tr><tr><td>Power Dissipation $R_{\theta JA}$ (Notes 2, 3)</td><td></td><td>$T_A = 25^{\circ}\text{C}$</td><td>P_D</td><td>0.86</td><td>W</td></tr><tr><td>Pulsed Drain Current</td><td>$T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$</td><td>$I_{DM}$</td><td>47</td><td>A</td></tr><tr><td>Operating Junction and Storage Temperature Range</td><td>T_J, T_{stg}</td><td></td><td>-55 to +175</td><td>$^{\circ}\text{C}$</td></tr><tr><td>Lead Temperature for Soldering Purposes (1/8" from case for 10 s)</td><td>T_L</td><td></td><td>260</td><td>$^{\circ}\text{C}$</td></tr></table> | Parameter | | Symbol | Value | Unit | Drain-to-Source Voltage | | V_{DS} | -30 | V | Gate-to-Source Voltage | | V_{GS} | ± 25 | V | Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -11.7 | A | $T_A = 85^{\circ}\text{C}$ | | -8.4 | | Power Dissipation $R_{\theta JA}$ (Notes 1, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 2.40 | W | Continuous Drain Current $R_{\theta JA}$ (Notes 2, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -7.0 | A | $T_A = 85^{\circ}\text{C}$ | | -5.1 | | Power Dissipation $R_{\theta JA}$ (Notes 2, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 0.86 | W | Pulsed Drain Current | $T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$ | I_{DM} | 47 | A | Operating Junction and Storage Temperature Range | T_J, T_{stg} | | -55 to +175 | $^{\circ}\text{C}$ | Lead Temperature for Soldering Purposes (1/8" from case for 10 s) | T_L | | 260 | $^{\circ}\text{C}$ | <table><tr><th colspan="3">Parameter</th><th>Symbol</th><th>Value</th><th>Unit</th></tr><tr><td colspan="3">Drain-to-Source Voltage</td><td>V_{DS}</td><td>-30</td><td>V</td></tr><tr><td colspan="3">Gate-to-Source Voltage</td><td>V_{GS}</td><td>± 25</td><td>V</td></tr><tr><td rowspan="2">Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3)</td><td rowspan="2">Steady State</td><td>$T_A = 25^{\circ}\text{C}$</td><td>I_D</td><td>-11.7</td><td>A</td></tr><tr><td>$T_A = 85^{\circ}\text{C}$</td><td></td><td>-8.4</td><td></td></tr><tr><td>Power Dissipation $R_{\theta JA}$ (Notes 1, 3)</td><td></td><td>$T_A = 25^{\circ}\text{C}$</td><td>P_D</td><td>2.40</td><td>W</td></tr><tr><td rowspan="2">Continuous Drain Current $R_{\theta JC}$</td><td rowspan="2">Steady State</td><td>$T_C = 25^{\circ}\text{C}$</td><td>I_D</td><td>-49</td><td>A</td></tr><tr><td>$T_C = 85^{\circ}\text{C}$</td><td></td><td>-38</td><td></td></tr><tr><td>Power Dissipation $R_{\theta JC}$</td><td></td><td>$T_C = 25^{\circ}\text{C}$</td><td>P_D</td><td>44</td><td>W</td></tr><tr><td>Pulsed Drain Current</td><td>$T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$</td><td>$I_{DM}$</td><td>47</td><td>A</td></tr><tr><td>Operating Junction and Storage Temperature Range</td><td>T_J, T_{stg}</td><td></td><td>-55 to +175</td><td>$^{\circ}\text{C}$</td></tr><tr><td>Lead Temperature for Soldering Purposes (1/8" from case for 10 s)</td><td>T_L</td><td></td><td>260</td><td>$^{\circ}\text{C}$</td></tr></table> | Parameter | | | Symbol | Value | Unit | Drain-to-Source Voltage | | | V_{DS} | -30 | V | Gate-to-Source Voltage | | | V_{GS} | ± 25 | V | Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -11.7 | A | $T_A = 85^{\circ}\text{C}$ | | -8.4 | | Power Dissipation $R_{\theta JA}$ (Notes 1, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 2.40 | W | Continuous Drain Current $R_{\theta JC}$ | Steady State | $T_C = 25^{\circ}\text{C}$ | I_D | -49 | A | $T_C = 85^{\circ}\text{C}$ | | -38 | | Power Dissipation $R_{\theta JC}$ | | $T_C = 25^{\circ}\text{C}$ | P_D | 44 | W | Pulsed Drain Current | $T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$ | I_{DM} | 47 | A | Operating Junction and Storage Temperature Range | T_J, T_{stg} | | -55 to +175 | $^{\circ}\text{C}$ | Lead Temperature for Soldering Purposes (1/8" from case for 10 s) | T_L | | 260 | $^{\circ}\text{C}$ |
| Parameter | | Symbol | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drain-to-Source Voltage | | V_{DS} | -30 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gate-to-Source Voltage | | V_{GS} | ± 25 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -11.7 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $T_A = 85^{\circ}\text{C}$ | | -8.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Dissipation $R_{\theta JA}$ (Notes 1, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 2.40 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous Drain Current $R_{\theta JA}$ (Notes 2, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -7.0 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $T_A = 85^{\circ}\text{C}$ | | -5.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Dissipation $R_{\theta JA}$ (Notes 2, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 0.86 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulsed Drain Current | $T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$ | I_{DM} | 47 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating Junction and Storage Temperature Range | T_J, T_{stg} | | -55 to +175 | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead Temperature for Soldering Purposes (1/8" from case for 10 s) | T_L | | 260 | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameter | | | Symbol | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drain-to-Source Voltage | | | V_{DS} | -30 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gate-to-Source Voltage | | | V_{GS} | ± 25 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous Drain Current $R_{\theta JA}$ (Notes 1, 3) | Steady State | $T_A = 25^{\circ}\text{C}$ | I_D | -11.7 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $T_A = 85^{\circ}\text{C}$ | | -8.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Dissipation $R_{\theta JA}$ (Notes 1, 3) | | $T_A = 25^{\circ}\text{C}$ | P_D | 2.40 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous Drain Current $R_{\theta JC}$ | Steady State | $T_C = 25^{\circ}\text{C}$ | I_D | -49 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | $T_C = 85^{\circ}\text{C}$ | | -38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Dissipation $R_{\theta JC}$ | | $T_C = 25^{\circ}\text{C}$ | P_D | 44 | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pulsed Drain Current | $T_A = 25^{\circ}\text{C}, t_p = 10 \mu\text{s}$ | I_{DM} | 47 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating Junction and Storage Temperature Range | T_J, T_{stg} | | -55 to +175 | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lead Temperature for Soldering Purposes (1/8" from case for 10 s) | T_L | | 260 | $^{\circ}\text{C}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermal resistance | <p>THERMAL RESISTANCE MAXIMUM RATINGS (Note 1)</p> <table><tr><th>Parameter</th><th>Symbol</th><th>Value</th><th>Unit</th></tr><tr><td>Junction-to-Ambient – Steady State (Note 1)</td><td>$R_{\theta JA}$</td><td>52</td><td>$^{\circ}\text{C/W}$</td></tr><tr><td>Junction-to-Ambient – Steady State (Note 2)</td><td>$R_{\theta JA}$</td><td>145</td><td></td></tr></table> | Parameter | Symbol | Value | Unit | Junction-to-Ambient – Steady State (Note 1) | $R_{\theta JA}$ | 52 | $^{\circ}\text{C/W}$ | Junction-to-Ambient – Steady State (Note 2) | $R_{\theta JA}$ | 145 | | <p>THERMAL RESISTANCE MAXIMUM RATINGS (Note 1)</p> <table><tr><th>Parameter</th><th>Symbol</th><th>Value</th><th>Unit</th></tr><tr><td>Junction-to-Ambient – Steady State (Note 1)</td><td>$R_{\theta JA}$</td><td>52</td><td>$^{\circ}\text{C/W}$</td></tr><tr><td>Junction-to-Ambient – Steady State (Note 2)</td><td>$R_{\theta JA}$</td><td>145</td><td></td></tr><tr><td>Junction-to-Case</td><td>$R_{\theta JC}$</td><td>3.3</td><td></td></tr></table> | Parameter | Symbol | Value | Unit | Junction-to-Ambient – Steady State (Note 1) | $R_{\theta JA}$ | 52 | $^{\circ}\text{C/W}$ | Junction-to-Ambient – Steady State (Note 2) | $R_{\theta JA}$ | 145 | | Junction-to-Case | $R_{\theta JC}$ | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameter | Symbol | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction-to-Ambient – Steady State (Note 1) | $R_{\theta JA}$ | 52 | $^{\circ}\text{C/W}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction-to-Ambient – Steady State (Note 2) | $R_{\theta JA}$ | 145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parameter | Symbol | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction-to-Ambient – Steady State (Note 1) | $R_{\theta JA}$ | 52 | $^{\circ}\text{C/W}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction-to-Ambient – Steady State (Note 2) | $R_{\theta JA}$ | 145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction-to-Case | $R_{\theta JC}$ | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max I_D current | <table><tr><th>$V_{(BR)DS}$</th><th>$R_{DS(on)}$ MAX</th><th>I_D MAX</th></tr><tr><td rowspan="2">-30 V</td><td>11.3 mΩ @ -10 V</td><td>-11.7 A</td></tr><tr><td>20 mΩ @ -4.5 V</td><td></td></tr></table> | $V_{(BR)DS}$ | $R_{DS(on)}$ MAX | I_D MAX | -30 V | 11.3 m Ω @ -10 V | -11.7 A | 20 m Ω @ -4.5 V | | <table><tr><th>$V_{(BR)DS}$</th><th>$R_{DS(on)}$ MAX</th><th>I_D MAX</th></tr><tr><td rowspan="2">-30 V</td><td>11.3 mΩ @ -10 V</td><td>-49 A</td></tr><tr><td>20 mΩ @ -4.5 V</td><td></td></tr></table> | $V_{(BR)DS}$ | $R_{DS(on)}$ MAX | I_D MAX | -30 V | 11.3 m Ω @ -10 V | -49 A | 20 m Ω @ -4.5 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $V_{(BR)DS}$ | $R_{DS(on)}$ MAX | I_D MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -30 V | 11.3 m Ω @ -10 V | -11.7 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 m Ω @ -4.5 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $V_{(BR)DS}$ | $R_{DS(on)}$ MAX | I_D MAX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -30 V | 11.3 m Ω @ -10 V | -49 A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 m Ω @ -4.5 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

List of Affected Standard Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

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| NVTFWS012P03P8ZTAG | | |
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