# onsemi

- Low Output Capacitance ( $C_{oss} = 107 \text{ pF}$ )
- 100% Avalanche Tested
- $T_J = 175^{\circ}C$
- This Device is Halide Free and RoHS Compliant with exemption 7a, Pb–Free 2LI (on second level interconnection)

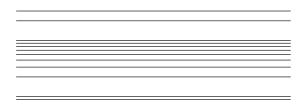
#### **Typical Applications**

- SMPS (Switching Mode Power Supplies)
- Solar Inverters
- UPS (Uninterruptable Power Supplies)
- Energy Storages

#### MAXIMUM RATINGS (T<sub>J</sub> = $25^{\circ}$ C unless otherwise noted)

| Parameter              | Symbol          | Value  | Unit |
|------------------------|-----------------|--------|------|
|                        |                 | ·      |      |
| Gate-to-Source Voltage | V <sub>GS</sub> | -8/+22 | V    |

# TYPICAL CHARACTERISTICS (CONTINUED)



## TYPICAL CHARACTERISTICS (CONTINUED)

| r | 1 | 1 | - |           |  | 1 | 1 | 1 | <b>—</b> |   |  | - 1 | - | <b>T</b> T | - |  |  |  | 11 | 1 |  | - | 1 |               |
|---|---|---|---|-----------|--|---|---|---|----------|---|--|-----|---|------------|---|--|--|--|----|---|--|---|---|---------------|
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   | _             |
|   |   |   |   | $\square$ |  |   |   |   |          |   |  |     |   | $\square$  |   |  |  |  |    |   |  |   |   | _             |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   | П         |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   | T             |
|   |   |   |   | Π         |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   | T             |
| - |   |   | _ | + +       |  |   |   |   | ++       | + |  | -   | - | ++         | + |  |  |  |    |   |  | - | + |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   | _ |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   | -             |
|   |   |   |   | +         |  |   |   |   |          |   |  |     | _ |            |   |  |  |  |    |   |  |   |   | $\rightarrow$ |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   | Π         |  |   |   |   | Π        |   |  |     |   | Π          |   |  |  |  |    |   |  |   | Τ |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |
|   |   |   |   |           |  |   |   |   |          |   |  |     |   |            |   |  |  |  |    |   |  |   |   |               |

|                    |   |            | TO-247-4LD<br>CASE 340CJ<br>ISSUE A |    |           | DATE 16 SEP 2019 |
|--------------------|---|------------|-------------------------------------|----|-----------|------------------|
| A                  | E | A          | B<br>A2                             | E1 | Øp1<br>D2 |                  |
| E/2                |   | Q<br>D     | Ø                                   |    | D1        |                  |
| b2<br>b1 (3X)      |   | L          | L1<br>A1                            |    |           |                  |
| 1<br>e1<br>⊕ 0.254 |   | 4<br>b(4X) | с                                   |    |           |                  |

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