

## AM4534C-T1-PF-VB Datasheet

## N- and P-Channel 30 V (D-S) MOSFET

## PRODUCT SUMMARY

|           | V <sub>DS</sub> (V) | R <sub>DS(on)</sub> (Ω)            | I <sub>D</sub> (A) <sup>a</sup> | Q <sub>g</sub> (Typ.) |
|-----------|---------------------|------------------------------------|---------------------------------|-----------------------|
| N-Channel | 30                  | 0.018 at V <sub>GS</sub> = 10 V    | 8 <sup>e</sup>                  | 6.2                   |
|           |                     | 0.020 at V <sub>GS</sub> = 8 V     | 8 <sup>e</sup>                  |                       |
|           |                     | 0.024 at V <sub>GS</sub> = 4.5 V   | 8 <sup>e</sup>                  |                       |
| P-Channel | - 30                | 0.040 at V <sub>GS</sub> = - 10 V  | - 8 <sup>e</sup>                | 18.5                  |
|           |                     | 0.044 at V <sub>GS</sub> = - 8 V   | - 8 <sup>e</sup>                |                       |
|           |                     | 0.050 at V <sub>GS</sub> = - 4.5 V | - 7.5                           |                       |

## FEATURES

- Halogen-free According to IEC 61249-2-21 Definition
- Trench Power MOSFET
- 100 % R<sub>g</sub> and UIS Tested
- Compliant to RoHS Directive 2002/95/EC


**RoHS**  
 COMPLIANT  
 HALOGEN  
**FREE**

## APPLICATIONS

- Motor Drive
- Mobile Power Bank

ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub> = 25 °C, unless otherwise noted)

| Parameter                                          | Symbol                            | N-Channel            | P-Channel             | Unit |
|----------------------------------------------------|-----------------------------------|----------------------|-----------------------|------|
| Drain-Source Voltage                               | V <sub>DS</sub>                   | 30                   | - 30                  | V    |
| Gate-Source Voltage                                | V <sub>GS</sub>                   | ± 20                 | ± 20                  |      |
| Continuous Drain Current (T <sub>J</sub> = 150 °C) | I <sub>D</sub>                    | 8 <sup>e</sup>       | - 8 <sup>e</sup>      | A    |
|                                                    |                                   | 6.8                  | - 6.8                 |      |
|                                                    |                                   | 6.8 <sup>b, c</sup>  | - 6.6 <sup>b, c</sup> |      |
|                                                    |                                   | 5.4 <sup>b, c</sup>  | - 5.3 <sup>b, c</sup> |      |
| Pulsed Drain Current (10 μs Pulse Width)           | I <sub>DM</sub>                   | 40                   | - 40                  |      |
| Source-Drain Current Diode Current                 | I <sub>S</sub>                    | 2.6                  | - 2.6                 |      |
|                                                    |                                   | 1.6 <sup>b, c</sup>  | - 1.6 <sup>b, c</sup> |      |
| Pulsed Source-Drain Current                        | I <sub>SM</sub>                   | 40                   | - 40                  | mJ   |
| Single Pulse Avalanche Current                     | I <sub>AS</sub>                   | 10                   | - 20                  |      |
| Single Pulse Avalanche Energy                      | E <sub>AS</sub>                   | 5                    | 20                    | W    |
| Maximum Power Dissipation                          | P <sub>D</sub>                    | 3.1                  | 3.2                   |      |
|                                                    |                                   | 2                    | 2.1                   |      |
|                                                    |                                   | 2 <sup>b, c</sup>    | 2 <sup>b, c</sup>     |      |
|                                                    |                                   | 1.28 <sup>b, c</sup> | 1.28 <sup>b, c</sup>  |      |
| Operating Junction and Storage Temperature Range   | T <sub>J</sub> , T <sub>stg</sub> | - 55 to 150          |                       | °C   |

## THERMAL RESISTANCE RATINGS

| Parameter                                   |              | Symbol            | N-Channel |      | P-Channel |      | Unit |
|---------------------------------------------|--------------|-------------------|-----------|------|-----------|------|------|
|                                             |              |                   | Typ.      | Max. | Typ.      | Max. |      |
| Maximum Junction-to-Ambient <sup>b, d</sup> | t ≤ 10 s     | R <sub>thJA</sub> | 50        | 62.5 | 47        | 62.5 | °C/W |
| Maximum Junction-to-Foot (Drain)            | Steady State | R <sub>thJF</sub> | 30        | 40   | 29        | 38   |      |

Notes:

a. Based on T<sub>C</sub> = 25 °C.

b. Surface mounted on 1" x 1" FR4 board.

c. t = 10 s.

d. Maximum under steady state conditions is 120 °C/W (n-channel) and 110 °C/W (p-channel).

e. Package limited.

| SPECIFICATIONS (T <sub>J</sub> = 25 °C, unless otherwise noted) |                                      |                                                                                                                                                                                                                                                                                                                                                                                |                 |       |                   |       |       |  |
|-----------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-------------------|-------|-------|--|
| Parameter                                                       | Symbol                               | Test Conditions                                                                                                                                                                                                                                                                                                                                                                |                 | Min.  | Typ. <sup>a</sup> | Max.  | Unit  |  |
| Static                                                          |                                      |                                                                                                                                                                                                                                                                                                                                                                                |                 |       |                   |       |       |  |
| Drain-Source Breakdown Voltage                                  | V <sub>DS</sub>                      | V <sub>GS</sub> = 0 V, I <sub>D</sub> = 250 μA                                                                                                                                                                                                                                                                                                                                 | N-Ch            | 30    |                   |       | V     |  |
|                                                                 |                                      | V <sub>GS</sub> = 0 V, I <sub>D</sub> = - 250 μA                                                                                                                                                                                                                                                                                                                               | P-Ch            | - 30  |                   |       |       |  |
| V <sub>DS</sub> Temperature Coefficient                         | ΔV <sub>DS</sub> /T <sub>J</sub>     | I <sub>D</sub> = 250 μA                                                                                                                                                                                                                                                                                                                                                        | N-Ch            |       | 40                |       | mV/°C |  |
|                                                                 |                                      | I <sub>D</sub> = - 250 μA                                                                                                                                                                                                                                                                                                                                                      | P-Ch            |       | - 34              |       |       |  |
| V <sub>GS(th)</sub> Temperature Coefficient                     | ΔV <sub>GS(th)</sub> /T <sub>J</sub> | I <sub>D</sub> = 250 μA                                                                                                                                                                                                                                                                                                                                                        | N-Ch            |       | - 4.1             |       |       |  |
|                                                                 |                                      | I <sub>D</sub> = - 250 μA                                                                                                                                                                                                                                                                                                                                                      | P-Ch            |       | 5                 |       |       |  |
| Gate Threshold Voltage                                          | V <sub>GS(th)</sub>                  | V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = 250 μA                                                                                                                                                                                                                                                                                                                    | N-Ch            | 1.0   |                   | 2.0   | V     |  |
|                                                                 |                                      | V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = - 250 μA                                                                                                                                                                                                                                                                                                                  | P-Ch            | - 1.0 |                   | - 2.0 |       |  |
| Gate-Body Leakage                                               | I <sub>GSS</sub>                     | V <sub>DS</sub> = 0 V, V <sub>GS</sub> = ± 12 V                                                                                                                                                                                                                                                                                                                                | N-Ch            |       |                   | ± 100 | nA    |  |
|                                                                 |                                      | V <sub>DS</sub> = 0 V, V <sub>GS</sub> = ± 12 V                                                                                                                                                                                                                                                                                                                                | P-Ch            |       |                   | ± 100 |       |  |
| Zero Gate Voltage Drain Current                                 | I <sub>DSS</sub>                     | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V                                                                                                                                                                                                                                                                                                                                  | N-Ch            |       |                   | 1     | μA    |  |
|                                                                 |                                      | V <sub>DS</sub> = - 30 V, V <sub>GS</sub> = 0 V                                                                                                                                                                                                                                                                                                                                | P-Ch            |       |                   | - 1   |       |  |
|                                                                 |                                      | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V, T <sub>J</sub> = 55 °C                                                                                                                                                                                                                                                                                                          | N-Ch            |       |                   | 10    |       |  |
|                                                                 |                                      | V <sub>DS</sub> = - 30 V, V <sub>GS</sub> = 0 V, T <sub>J</sub> = 55 °C                                                                                                                                                                                                                                                                                                        | P-Ch            |       |                   | - 10  |       |  |
| On-State Drain Current <sup>b</sup>                             | I <sub>D(on)</sub>                   | V <sub>DS</sub> = 5 V, V <sub>GS</sub> = 10 V                                                                                                                                                                                                                                                                                                                                  | N-Ch            | 20    |                   |       | A     |  |
|                                                                 |                                      | V <sub>DS</sub> = - 5 V, V <sub>GS</sub> = - 10 V                                                                                                                                                                                                                                                                                                                              | P-Ch            | - 20  |                   |       |       |  |
| Drain-Source On-State Resistance <sup>b</sup>                   | R <sub>DS(on)</sub>                  | V <sub>GS</sub> = 10 V, I <sub>D</sub> = 6.8 A                                                                                                                                                                                                                                                                                                                                 | N-Ch            |       | 0.018             |       | Ω     |  |
|                                                                 |                                      | V <sub>GS</sub> = - 10 V, I <sub>D</sub> = - 8 A                                                                                                                                                                                                                                                                                                                               | P-Ch            |       | 0.040             |       |       |  |
|                                                                 |                                      | V <sub>GS</sub> = 8 V, I <sub>D</sub> = 6.7 A                                                                                                                                                                                                                                                                                                                                  | N-Ch            |       | 0.020             |       |       |  |
|                                                                 |                                      | V <sub>GS</sub> = - 8 V, I <sub>D</sub> = - 6.5 A                                                                                                                                                                                                                                                                                                                              | P-Ch            |       | 0.044             |       |       |  |
|                                                                 |                                      | V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 6.6 A                                                                                                                                                                                                                                                                                                                                | N-Ch            |       | 0.024             |       |       |  |
|                                                                 |                                      | V <sub>GS</sub> = - 4.5 V, I <sub>D</sub> = - 5 A                                                                                                                                                                                                                                                                                                                              | P-Ch            |       | 0.050             |       |       |  |
| Forward Transconductance <sup>b</sup>                           | g <sub>fs</sub>                      | V <sub>DS</sub> = 15 V, I <sub>D</sub> = 6.8 A                                                                                                                                                                                                                                                                                                                                 | N-Ch            |       | 27                |       | S     |  |
|                                                                 |                                      | V <sub>DS</sub> = - 15 V, I <sub>D</sub> = - 6.7 A                                                                                                                                                                                                                                                                                                                             | P-Ch            |       | 25                |       |       |  |
| Dynamic <sup>a</sup>                                            |                                      |                                                                                                                                                                                                                                                                                                                                                                                |                 |       |                   |       |       |  |
| Input Capacitance                                               | C <sub>iss</sub>                     | N-Channel<br>V <sub>DS</sub> = 20 V, V <sub>GS</sub> = 0 V, f = 1 MHz<br><br>P-Channel<br>V <sub>DS</sub> = - 20 V, V <sub>GS</sub> = 0 V, f = 1 MHz                                                                                                                                                                                                                           | N-Ch            |       | 510               |       | pF    |  |
| Output Capacitance                                              | C <sub>oss</sub>                     |                                                                                                                                                                                                                                                                                                                                                                                | P-Ch            |       | 620               |       |       |  |
|                                                                 |                                      |                                                                                                                                                                                                                                                                                                                                                                                | N-Ch            |       | 95                |       |       |  |
| Reverse Transfer Capacitance                                    | C <sub>rss</sub>                     |                                                                                                                                                                                                                                                                                                                                                                                | P-Ch            |       | 115               |       |       |  |
| Total Gate Charge                                               | Q <sub>g</sub>                       | N-Channel<br>V <sub>DS</sub> = 20 V, V <sub>GS</sub> = 10 V, I <sub>D</sub> = 10 A<br><br>P-Channel<br>V <sub>DS</sub> = - 20 V, V <sub>GS</sub> = - 10 V, I <sub>D</sub> = - 10 A<br><br>N-Channel<br>V <sub>DS</sub> = 20 V, V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 10 A<br><br>P-Channel<br>V <sub>DS</sub> = - 20 V, V <sub>GS</sub> = - 4.5 V, I <sub>D</sub> = - 10 A | N-Ch            |       | 6                 | 10    | nC    |  |
|                                                                 |                                      |                                                                                                                                                                                                                                                                                                                                                                                | P-Ch            |       | 41.5              | 63    |       |  |
|                                                                 | N-Ch                                 |                                                                                                                                                                                                                                                                                                                                                                                |                 | 5.8   | 7                 |       |       |  |
|                                                                 | P-Ch                                 |                                                                                                                                                                                                                                                                                                                                                                                |                 | 16    | 22                |       |       |  |
|                                                                 | Gate-Source Charge                   |                                                                                                                                                                                                                                                                                                                                                                                | Q <sub>gs</sub> | N-Ch  |                   | 1.6   |       |  |
|                                                                 |                                      |                                                                                                                                                                                                                                                                                                                                                                                |                 | P-Ch  |                   | 4.3   |       |  |
| Gate-Drain Charge                                               | Q <sub>gd</sub>                      | N-Ch                                                                                                                                                                                                                                                                                                                                                                           |                 | 1.4   |                   |       |       |  |
|                                                                 |                                      | P-Ch                                                                                                                                                                                                                                                                                                                                                                           |                 | 7     |                   |       |       |  |
| Gate Resistance                                                 | R <sub>g</sub>                       | f = 1 MHz                                                                                                                                                                                                                                                                                                                                                                      | N-Ch            | 0.3   | 1.1               | 2.3   | Ω     |  |
|                                                                 |                                      |                                                                                                                                                                                                                                                                                                                                                                                | P-Ch            | 1.2   | 5.7               | 9.6   |       |  |

| SPECIFICATIONS (T <sub>J</sub> = 25 °C, unless otherwise noted) |                     |                                                                                                                                          |                                                                                 |      |                   |       |      |    |
|-----------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------|-------------------|-------|------|----|
| Parameter                                                       | Symbol              | Test Conditions                                                                                                                          |                                                                                 | Min. | Typ. <sup>a</sup> | Max.  | Unit |    |
| Dynamic <sup>a</sup>                                            |                     |                                                                                                                                          |                                                                                 |      |                   |       |      |    |
| Turn-On Delay Time                                              | t <sub>d(on)</sub>  | N-Channel<br>V <sub>DD</sub> = 20 V, R <sub>L</sub> = 3.7 Ω<br>I <sub>D</sub> ≅ 5.4 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω     | N-Ch                                                                            |      | 4                 | 8     | ns   |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 10                | 16    |      |    |
| Rise Time                                                       | t <sub>r</sub>      |                                                                                                                                          | N-Ch                                                                            |      | 10                | 17    |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 9                 | 15    |      |    |
| Turn-Off Delay Time                                             | t <sub>d(off)</sub> | P-Channel<br>V <sub>DD</sub> = - 20 V, R <sub>L</sub> = 2 Ω<br>I <sub>D</sub> ≅ - 10 A, V <sub>GEN</sub> = - 10 V, R <sub>g</sub> = 1 Ω  | N-Ch                                                                            |      | 16                | 22    |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 23                | 26    |      |    |
| Fall Time                                                       | t <sub>f</sub>      |                                                                                                                                          | N-Ch                                                                            |      | 5                 | 9     |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 10                | 16    |      |    |
| Turn-On Delay Time                                              | t <sub>d(on)</sub>  | N-Channel<br>V <sub>DD</sub> = 20 V, R <sub>L</sub> = 3.7 Ω<br>I <sub>D</sub> ≅ 5.4 A, V <sub>GEN</sub> = 4.5 V, R <sub>g</sub> = 1 Ω    | N-Ch                                                                            |      | 10                | 16    | ns   |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 26                | 35    |      |    |
| Rise Time                                                       | t <sub>r</sub>      |                                                                                                                                          | N-Ch                                                                            |      | 11                | 20    |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 16                | 26    |      |    |
| Turn-Off Delay Time                                             | t <sub>d(off)</sub> | P-Channel<br>V <sub>DD</sub> = - 20 V, R <sub>L</sub> = 2 Ω<br>I <sub>D</sub> ≅ - 10 A, V <sub>GEN</sub> = - 4.5 V, R <sub>g</sub> = 1 Ω | N-Ch                                                                            |      | 13                | 22    |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 16                | 26    |      |    |
| Fall Time                                                       | t <sub>f</sub>      |                                                                                                                                          | N-Ch                                                                            |      | 5                 | 9     |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 16                | 26    |      |    |
| Drain-Source Body Diode Characteristics                         |                     |                                                                                                                                          |                                                                                 |      |                   |       |      |    |
| Continuous Source-Drain Diode Current                           | I <sub>S</sub>      | T <sub>C</sub> = 25 °C                                                                                                                   | N-Ch                                                                            |      |                   | 2.6   | A    |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      |                   | - 2.6 |      |    |
| Pulse Diode Forward Current <sup>a</sup>                        | I <sub>SM</sub>     |                                                                                                                                          | N-Ch                                                                            |      |                   | 40    |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      |                   | - 40  |      |    |
| Body Diode Voltage                                              | V <sub>SD</sub>     | I <sub>S</sub> = 5.4 A                                                                                                                   | N-Ch                                                                            |      | 0.81              | 1.2   | V    |    |
|                                                                 |                     | I <sub>S</sub> = - 2 A                                                                                                                   | P-Ch                                                                            |      | - 0.77            | - 1.2 |      |    |
| Body Diode Reverse Recovery Time                                | t <sub>rr</sub>     | N-Channel<br>I <sub>F</sub> = 5 A, dI/dt = 100 A/μs, T <sub>J</sub> = 25 °C                                                              | N-Ch                                                                            |      | 12                | 25    | ns   |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 31                | 57    |      |    |
| Body Diode Reverse Recovery Charge                              | Q <sub>rr</sub>     |                                                                                                                                          | P-Channel<br>I <sub>F</sub> = - 5 A, dI/dt = - 100 A/μs, T <sub>J</sub> = 25 °C | N-Ch |                   | 10    | 17   | nC |
|                                                                 |                     |                                                                                                                                          |                                                                                 | P-Ch |                   | 29    | 47   |    |
| Reverse Recovery Fall Time                                      | t <sub>a</sub>      |                                                                                                                                          |                                                                                 | N-Ch |                   | 10    |      | ns |
|                                                                 |                     |                                                                                                                                          |                                                                                 | P-Ch |                   | 13    |      |    |
| Reverse Recovery Rise Time                                      | t <sub>b</sub>      |                                                                                                                                          | N-Ch                                                                            |      | 7                 |       |      |    |
|                                                                 |                     |                                                                                                                                          | P-Ch                                                                            |      | 23                |       |      |    |

Notes:

a. Guaranteed by design, not subject to production testing.

b. Pulse test; pulse width  $\leq 300\text{ }\mu\text{s}$ , duty cycle  $\leq 2\%$ .

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Output Characteristics**

**Transfer Characteristics**

**On-Resistance vs. Drain Current and Gate Voltage**

**Capacitance**

**Gate Charge**

**On-Resistance vs. Junction Temperature**

**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



Source-Drain Diode Forward Voltage



On-Resistance vs. Gate-to-Source Voltage



Threshold Voltage



Single Pulse Power, Junction-to-Ambient

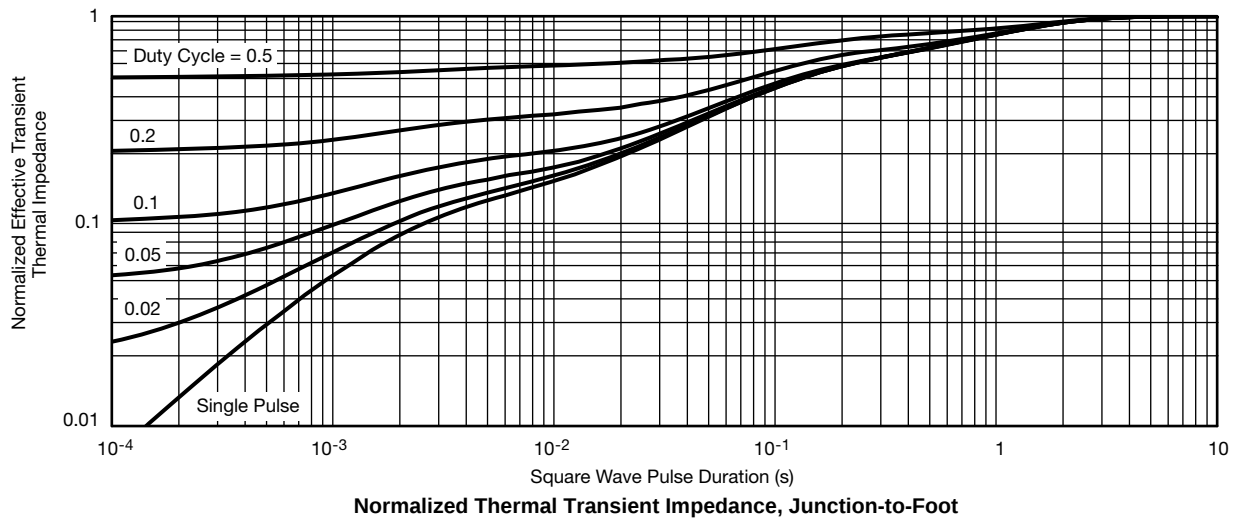
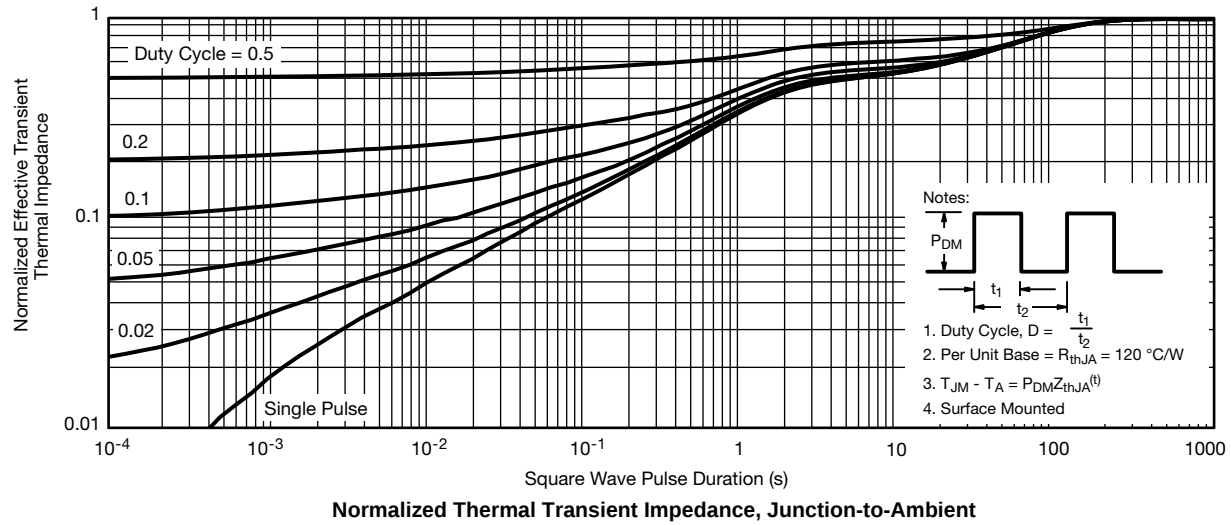


\*  $V_{GS} >$  minimum  $V_{GS}$  at which  $R_{DS(on)}$  is specified

Safe Operating Area, Junction-to-Ambient

**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)


\* The power dissipation  $P_D$  is based on  $T_{J(max)} = 150\text{ °C}$ , using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the package limit.

**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)


**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

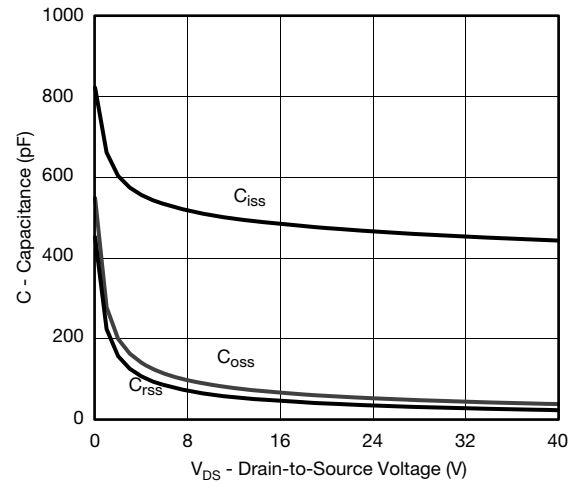

Output Characteristics



Transfer Characteristics



On-Resistance vs. Drain Current and Gate Voltage



Capacitance

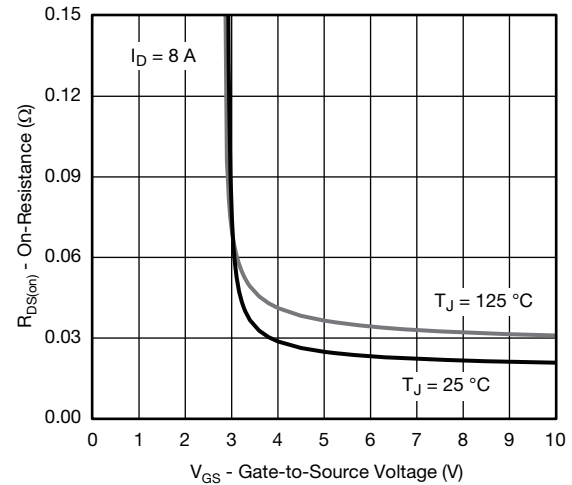


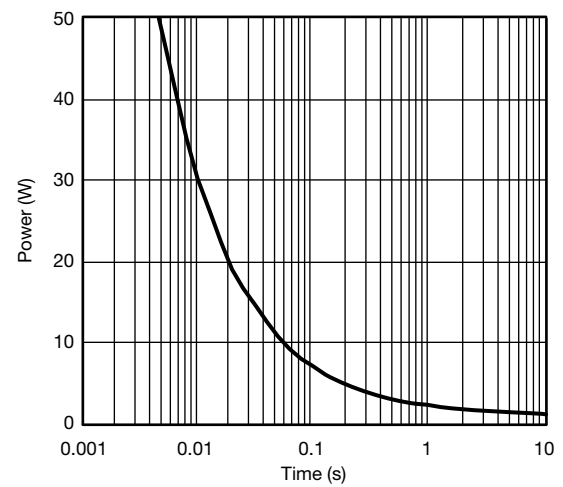
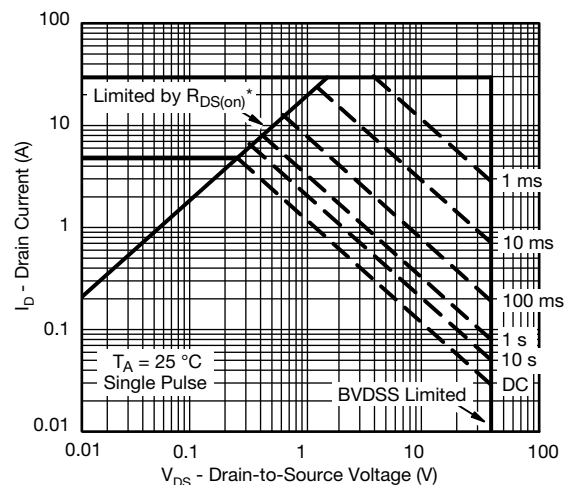
Gate Charge



On-Resistance vs. Junction Temperature

**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Source-Drain Diode Forward Voltage**

**On-Resistance vs. Gate-to-Source Voltage**

**Threshold Voltage**

**Single Pulse Power, Junction-to-Ambient**

**Safe Operating Area, Junction-to-Ambient**

**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Current Derating\***

**Power Derating, Junction-to-Foot**

**Power Derating, Junction-to-Ambient**

\* The power dissipation  $P_D$  is based on  $T_{J(max)} = 150\text{ °C}$ , using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the package limit.

**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Normalized Thermal Transient Impedance, Junction-to-Ambient**

**Normalized Thermal Transient Impedance, Junction-to-Foot**

SOIC (NARROW): 8-LEAD  
JEDEC Part Number: MS-012



| DIM                            | MILLIMETERS |      | INCHES    |       |
|--------------------------------|-------------|------|-----------|-------|
|                                | Min         | Max  | Min       | Max   |
| A                              | 1.35        | 1.75 | 0.053     | 0.069 |
| A <sub>1</sub>                 | 0.10        | 0.20 | 0.004     | 0.008 |
| B                              | 0.35        | 0.51 | 0.014     | 0.020 |
| C                              | 0.19        | 0.25 | 0.0075    | 0.010 |
| D                              | 4.80        | 5.00 | 0.189     | 0.196 |
| E                              | 3.80        | 4.00 | 0.150     | 0.157 |
| e                              | 1.27 BSC    |      | 0.050 BSC |       |
| H                              | 5.80        | 6.20 | 0.228     | 0.244 |
| h                              | 0.25        | 0.50 | 0.010     | 0.020 |
| L                              | 0.50        | 0.93 | 0.020     | 0.037 |
| q                              | 0°          | 8°   | 0°        | 8°    |
| S                              | 0.44        | 0.64 | 0.018     | 0.026 |
| ECN: C-06527-Rev. I, 11-Sep-06 |             |      |           |       |
| DWG: 5498                      |             |      |           |       |

RECOMMENDED MINIMUM PADS FOR SO-8



Recommended Minimum Pads  
Dimensions in Inches/(mm)

# Disclaimer

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**Please note that some documents may still refer to Taiwan VBsemi RoHS Directive 2002/95 / EC. We confirm that all products identified as consistent with the Directive 2002/95 / EC European Directive 2011/65 /.**

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