

## Dual N-Channel 30 V (D-S) MOSFETs

### PRODUCT SUMMARY

|           | V <sub>DS</sub> (V) | R <sub>DS(on)</sub> (Ω)           | I <sub>D</sub> (A) | Q <sub>g</sub> (Typ.) |
|-----------|---------------------|-----------------------------------|--------------------|-----------------------|
| Channel-1 | 30                  | 0.0072 at V <sub>GS</sub> = 10 V  | 24 <sup>a</sup>    | 13.5 nC               |
|           |                     | 0.0092 at V <sub>GS</sub> = 4.5 V | 24 <sup>a</sup>    |                       |
| Channel-2 | 30                  | 0.0039 at V <sub>GS</sub> = 10 V  | 28 <sup>a</sup>    | 34 nC                 |
|           |                     | 0.0047 at V <sub>GS</sub> = 4.5 V | 28 <sup>a</sup>    |                       |

### FEATURES

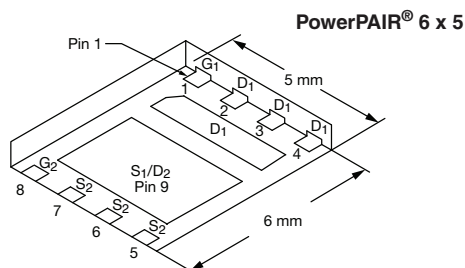
- Halogen-free According to IEC 61249-2-21 Definition
- TrenchFET® Power MOSFETs
- 100 % R<sub>g</sub> and UIS Tested
- Compliant to RoHS Directive 2002/95/EC

### APPLICATIONS

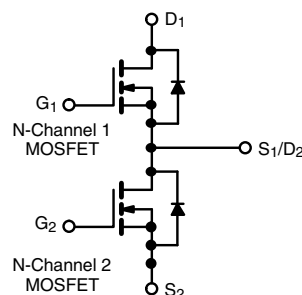
- Notebook System Power
- POL
- Synchronous Buck Converter



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



Ordering Information: SiZ900DT-T1-GE3 (Lead (Pb)-free and Halogen-free)



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

| Parameter                                                    |                        | Symbol                            | Channel-1            | Channel-2           | Unit |
|--------------------------------------------------------------|------------------------|-----------------------------------|----------------------|---------------------|------|
| Drain-Source Voltage                                         |                        | V <sub>DS</sub>                   | 30                   |                     | V    |
| Gate-Source Voltage                                          |                        | V <sub>GS</sub>                   | ± 20                 |                     |      |
| Continuous Drain Current (T <sub>J</sub> = 150 °C)           | T <sub>C</sub> = 25 °C | I <sub>D</sub>                    | 24 <sup>a</sup>      | 28 <sup>a</sup>     | A    |
|                                                              | T <sub>C</sub> = 70 °C |                                   | 24 <sup>a</sup>      | 28 <sup>a</sup>     |      |
|                                                              | T <sub>A</sub> = 25 °C |                                   | 19 <sup>b, c</sup>   | 28 <sup>b, c</sup>  |      |
|                                                              | T <sub>A</sub> = 70 °C |                                   | 15.5 <sup>b, c</sup> | 22 <sup>b, c</sup>  |      |
| Pulsed Drain Current                                         |                        | I <sub>DM</sub>                   | 90                   | 110                 | mJ   |
| Continuous Source Drain Diode Current                        | T <sub>C</sub> = 25 °C | I <sub>S</sub>                    | 24 <sup>a</sup>      | 28 <sup>a</sup>     |      |
|                                                              | T <sub>A</sub> = 25 °C |                                   | 3.8 <sup>b, c</sup>  | 4.3 <sup>b, c</sup> |      |
| Single Pulse Avalanche Current                               | L = 0.1 mH             | I <sub>AS</sub>                   | 20                   | 35                  |      |
| Single Pulse Avalanche Energy                                |                        | E <sub>AS</sub>                   | 20                   | 61                  |      |
| Maximum Power Dissipation                                    | T <sub>C</sub> = 25 °C | P <sub>D</sub>                    | 48                   | 100                 | W    |
|                                                              | T <sub>C</sub> = 70 °C |                                   | 31                   | 64                  |      |
|                                                              | T <sub>A</sub> = 25 °C |                                   | 4.6 <sup>b, c</sup>  | 5.2 <sup>b, c</sup> |      |
|                                                              | T <sub>A</sub> = 70 °C |                                   | 3 <sup>b, c</sup>    | 3.3 <sup>b, c</sup> |      |
| Operating Junction and Storage Temperature Range             |                        | T <sub>J</sub> , T <sub>stg</sub> | - 55 to 150          |                     | °C   |
| Soldering Recommendations (Peak Temperature) <sup>d, e</sup> |                        |                                   | 260                  |                     |      |

### THERMAL RESISTANCE RATINGS

| Parameter                                   | Symbol            | Channel-1 |      | Channel-2 |      | Unit |
|---------------------------------------------|-------------------|-----------|------|-----------|------|------|
|                                             |                   | Typ.      | Max. | Typ.      | Max. |      |
| Maximum Junction-to-Ambient <sup>b, f</sup> | R <sub>thJA</sub> | 22        | 27   | 19        | 24   | °C/W |
| Maximum Junction-to-Case (Drain)            | R <sub>thJC</sub> | 2.1       | 2.6  | 1         | 1.25 |      |

Notes:

a. Package limited.

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

c. t = 10 s.

d. See solder profile ([www.vishay.com/doc?73257](http://www.vishay.com/doc?73257)). The PowerPAIR is a leadless package. The end of the lead terminal is exposed copper (not plated) as a result of the singulation process in manufacturing. A solder fillet at the exposed copper tip cannot be guaranteed and is not required to ensure adequate bottom side solder interconnection.

e. Rework conditions: manual soldering with a soldering iron is not recommended for leadless components.

f. Maximum under steady state conditions is 62 °C/W for channel-1 and 55 °C/W for channel-2.

**SPECIFICATIONS** ( $T_J = 25\text{ }^{\circ}\text{C}$ , unless otherwise noted)

| Parameter                                     | Symbol                               | Test Conditions                                                                       | Min.                                                                    | Typ. | Max.   | Unit   |    |     |
|-----------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------|--------|--------|----|-----|
| Static                                        |                                      |                                                                                       |                                                                         |      |        |        |    |     |
| Drain-Source Breakdown Voltage                | V <sub>DS</sub>                      | V <sub>GS</sub> = 0 V, I <sub>D</sub> = 250 μA                                        | Ch-1                                                                    | 30   |        | V      |    |     |
|                                               |                                      | V <sub>GS</sub> = 0 V, I <sub>D</sub> = 250 μA                                        | Ch-2                                                                    | 30   |        |        |    |     |
| V <sub>DS</sub> Temperature Coefficient       | ΔV <sub>DS</sub> /T <sub>J</sub>     | I <sub>D</sub> = 250 μA                                                               | Ch-1                                                                    |      | 32     | mV/°C  |    |     |
|                                               |                                      | I <sub>D</sub> = 250 μA                                                               | Ch-2                                                                    |      | 32     |        |    |     |
| V <sub>GS(th)</sub> Temperature Coefficient   | ΔV <sub>GS(th)</sub> /T <sub>J</sub> | I <sub>D</sub> = 250 μA                                                               | Ch-1                                                                    |      | - 6    |        |    |     |
|                                               |                                      | I <sub>D</sub> = 250 μA                                                               | Ch-2                                                                    |      | - 6.5  |        |    |     |
| Gate Threshold Voltage                        | V <sub>GS(th)</sub>                  | V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = 250 μA                           | Ch-1                                                                    | 1.2  |        | 2.4    | V  |     |
|                                               |                                      | V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = 250 μA                           | Ch-2                                                                    | 1    |        | 2.2    |    |     |
| Gate Source Leakage                           | I <sub>GSS</sub>                     | V <sub>DS</sub> = 0 V, V <sub>GS</sub> = ± 20 V                                       | Ch-1                                                                    |      |        | ± 100  | nA |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    |      |        | ± 100  |    |     |
| Zero Gate Voltage Drain Current               | I <sub>DSS</sub>                     | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V                                         | Ch-1                                                                    |      |        | 1      | μA |     |
|                                               |                                      | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V                                         | Ch-2                                                                    |      |        | 1      |    |     |
|                                               |                                      | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V, T <sub>J</sub> = 55 °C                 | Ch-1                                                                    |      |        | 5      |    |     |
|                                               |                                      | V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V, T <sub>J</sub> = 55 °C                 | Ch-2                                                                    |      |        | 5      |    |     |
| On-State Drain Current <sup>b</sup>           | I <sub>D(on)</sub>                   | V <sub>DS</sub> ≥ 5 V, V <sub>GS</sub> = 10 V                                         | Ch-1                                                                    | 20   |        |        | A  |     |
|                                               |                                      | V <sub>DS</sub> ≥ 5 V, V <sub>GS</sub> = 10 V                                         | Ch-2                                                                    | 25   |        |        |    |     |
| Drain-Source On-State Resistance <sup>b</sup> | R <sub>DS(on)</sub>                  | V <sub>GS</sub> = 10 V, I <sub>D</sub> = 19.4 A                                       | Ch-1                                                                    |      | 0.0059 | 0.0072 | Ω  |     |
|                                               |                                      | V <sub>GS</sub> = 10 V, I <sub>D</sub> = 20 A                                         | Ch-2                                                                    |      | 0.0032 | 0.0039 |    |     |
|                                               |                                      | V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 17.2 A                                      | Ch-1                                                                    |      | 0.0075 | 0.0092 |    |     |
|                                               |                                      | V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 20 A                                        | Ch-2                                                                    |      | 0.0038 | 0.0047 |    |     |
| Forward Transconductance <sup>b</sup>         | g <sub>fs</sub>                      | V <sub>DS</sub> = 10 V, I <sub>D</sub> = 19.4 A                                       | Ch-1                                                                    |      | 76     |        | S  |     |
|                                               |                                      | V <sub>DS</sub> = 10 V, I <sub>D</sub> = 20 A                                         | Ch-2                                                                    |      | 120    |        |    |     |
| Dynamic <sup>a</sup>                          |                                      |                                                                                       |                                                                         |      |        |        |    |     |
| Input Capacitance                             | C <sub>iss</sub>                     | Channel-1<br>V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 0 V, f = 1 MHz                 | Ch-1                                                                    |      | 1830   |        | pF |     |
| Output Capacitance                            | C <sub>oss</sub>                     |                                                                                       | Ch-2                                                                    |      | 4900   |        |    |     |
|                                               |                                      |                                                                                       | Ch-1                                                                    |      | 300    |        |    |     |
| Reverse Transfer Capacitance                  | C <sub>rss</sub>                     |                                                                                       | Channel-2<br>V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 0 V, f = 1 MHz   | Ch-2 |        | 710    |    |     |
| Total Gate Charge                             | Q <sub>g</sub>                       | Channel-1<br>V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 0 V, f = 1 MHz                 | Ch-1                                                                    |      | 120    |        | nC |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    |      | 280    |        |    |     |
|                                               |                                      |                                                                                       | V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 10 V, I <sub>D</sub> = 19.4 A | Ch-1 |        | 29     |    | 45  |
|                                               |                                      |                                                                                       | V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 10 V, I <sub>D</sub> = 20 A   | Ch-2 |        | 73     |    | 110 |
| Gate-Source Charge                            | Q <sub>gs</sub>                      | Channel-2<br>V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 19.4 A | Ch-1                                                                    |      | 13.5   | 21     |    |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    |      | 34     | 51     |    |     |
|                                               |                                      |                                                                                       | Ch-1                                                                    |      | 5.8    |        |    |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    |      | 15     |        |    |     |
| Gate-Drain Charge                             | Q <sub>gd</sub>                      | Channel-2<br>V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 20 A   | Ch-1                                                                    |      | 3.1    |        |    |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    |      | 7.3    |        |    |     |
| Gate Resistance                               | R <sub>g</sub>                       | f = 1 MHz                                                                             | Ch-1                                                                    | 0.5  | 2.4    | 4.8    | Ω  |     |
|                                               |                                      |                                                                                       | Ch-2                                                                    | 0.2  | 0.9    | 1.8    |    |     |

Notes:

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

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



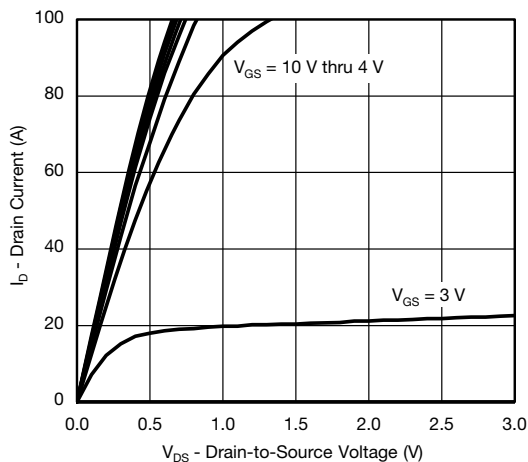
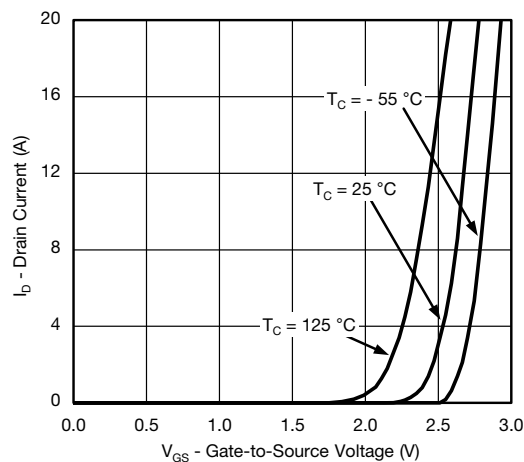
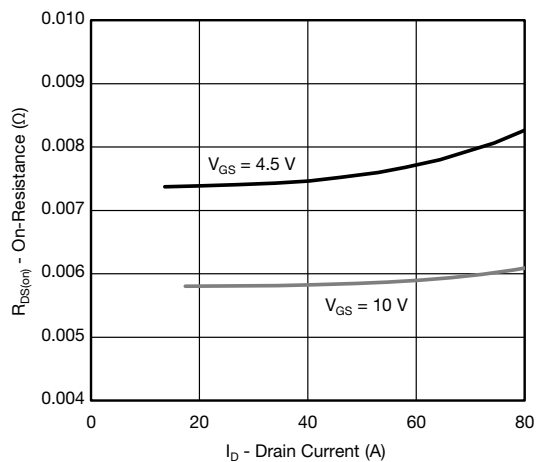
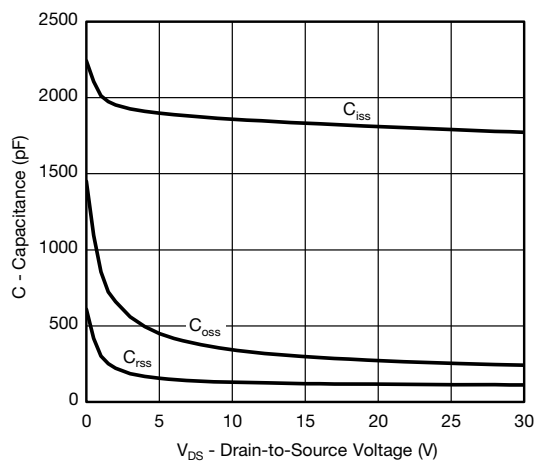
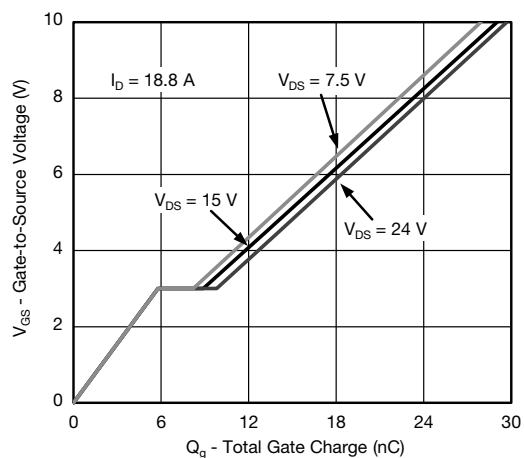
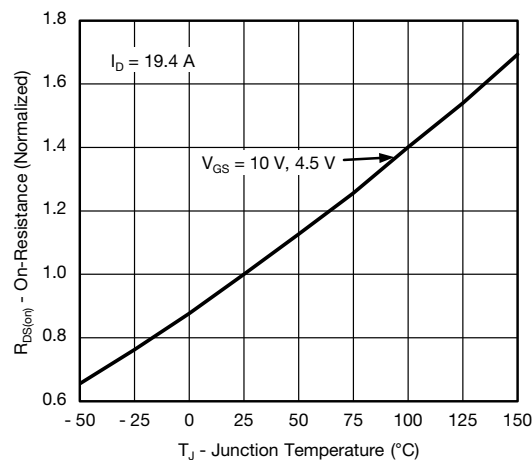
| SPECIFICATIONS (T <sub>J</sub> = 25 °C, unless otherwise noted) |                     |                                                                                                                                      |                                                                              |      |      |      |    |    |
|-----------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------|------|------|----|----|
| Parameter                                                       | Symbol              | Test Conditions                                                                                                                      | Min.                                                                         | Typ. | Max. | Unit |    |    |
| Dynamic <sup>a</sup>                                            |                     |                                                                                                                                      |                                                                              |      |      |      |    |    |
| Turn-On Delay Time                                              | t <sub>d(on)</sub>  | Channel-1<br>V <sub>DD</sub> = 15 V, R <sub>L</sub> = 1.5 Ω<br>I <sub>D</sub> ≅ 10 A, V <sub>GEN</sub> = 4.5 V, R <sub>g</sub> = 1 Ω | Ch-1                                                                         |      | 20   | 40   | ns |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 35   | 70   |    |    |
| Rise Time                                                       | t <sub>r</sub>      |                                                                                                                                      | Ch-1                                                                         |      | 10   | 20   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 10   | 20   |    |    |
| Turn-Off Delay Time                                             | t <sub>d(off)</sub> | Channel-2<br>V <sub>DD</sub> = 15 V, R <sub>L</sub> = 1.5 Ω<br>I <sub>D</sub> ≅ 10 A, V <sub>GEN</sub> = 4.5 V, R <sub>g</sub> = 1 Ω | Ch-1                                                                         |      | 25   | 50   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 35   | 70   |    |    |
| Fall Time                                                       | t <sub>f</sub>      |                                                                                                                                      | Ch-1                                                                         |      | 10   | 20   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 10   | 20   |    |    |
| Turn-On Delay Time                                              | t <sub>d(on)</sub>  | Channel-1<br>V <sub>DD</sub> = 15 V, R <sub>L</sub> = 1.5 Ω<br>I <sub>D</sub> ≅ 10 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω  | Ch-1                                                                         |      | 15   | 30   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 15   | 30   |    |    |
| Rise Time                                                       | t <sub>r</sub>      |                                                                                                                                      | Ch-1                                                                         |      | 10   | 20   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 7    | 15   |    |    |
| Turn-Off Delay Time                                             | t <sub>d(off)</sub> | Channel-2<br>V <sub>DD</sub> = 15 V, R <sub>L</sub> = 1.5 Ω<br>I <sub>D</sub> ≅ 10 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω  | Ch-1                                                                         |      | 30   | 60   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 40   | 80   |    |    |
| Fall Time                                                       | t <sub>f</sub>      |                                                                                                                                      | Ch-1                                                                         |      | 10   | 20   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 10   | 20   |    |    |
| Drain-Source Body Diode Characteristics                         |                     |                                                                                                                                      |                                                                              |      |      |      |    |    |
| Continuous Source-Drain Diode Current                           | I <sub>S</sub>      | T <sub>C</sub> = 25 °C                                                                                                               | Ch-1                                                                         |      |      | 24   | A  |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      |      | 28   |    |    |
| Pulse Diode Forward Current <sup>a</sup>                        | I <sub>SM</sub>     |                                                                                                                                      | Ch-1                                                                         |      |      | 90   |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      |      | 110  |    |    |
| Body Diode Voltage                                              | V <sub>SD</sub>     | I <sub>S</sub> = 10 A, V <sub>GS</sub> = 0 V                                                                                         | Ch-1                                                                         |      | 0.8  | 1.2  | V  |    |
|                                                                 |                     | I <sub>S</sub> = 10 A, V <sub>GS</sub> = 0 V                                                                                         | Ch-2                                                                         |      | 0.8  | 1.2  |    |    |
| Body Diode Reverse Recovery Time                                | t <sub>rr</sub>     | Channel-1<br>I <sub>F</sub> = 10 A, dI/dt = 100 A/μs, T <sub>J</sub> = 25 °C                                                         | Ch-1                                                                         |      | 16   | 30   | ns |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 30   | 60   |    |    |
| Body Diode Reverse Recovery Charge                              | Q <sub>rr</sub>     |                                                                                                                                      | Channel-2<br>I <sub>F</sub> = 10 A, dI/dt = 100 A/μs, T <sub>J</sub> = 25 °C | Ch-1 |      | 6    | 12 | nC |
|                                                                 |                     |                                                                                                                                      |                                                                              | Ch-2 |      | 21   | 40 |    |
| Reverse Recovery Fall Time                                      | t <sub>a</sub>      |                                                                                                                                      |                                                                              | Ch-1 |      | 9    |    | ns |
|                                                                 |                     |                                                                                                                                      |                                                                              | Ch-2 |      | 17   |    |    |
| Reverse Recovery Rise Time                                      | t <sub>b</sub>      |                                                                                                                                      | Ch-1                                                                         |      | 7    |      |    |    |
|                                                                 |                     |                                                                                                                                      | Ch-2                                                                         |      | 13   |      |    |    |

Notes:

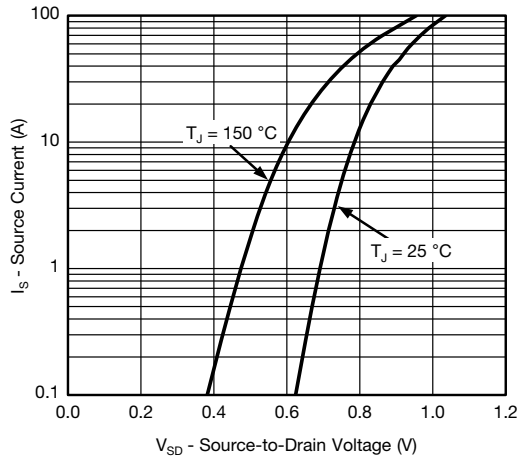
a. Guaranteed by design, not subject to production testing.

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

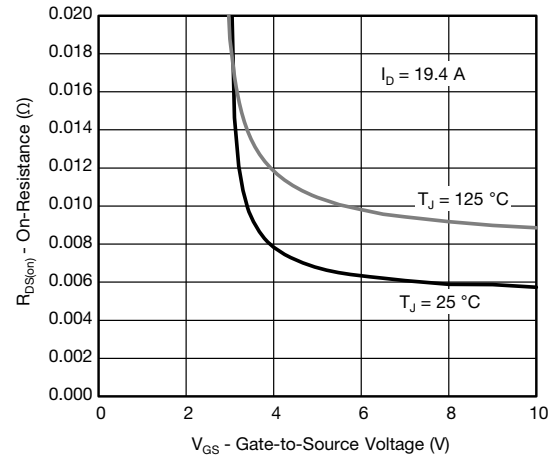
Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure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

**CHANNEL-1 TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)**Output Characteristics****Transfer Characteristics****On-Resistance vs. Drain Current****Capacitance****Gate Charge****On-Resistance vs. Junction Temperature**

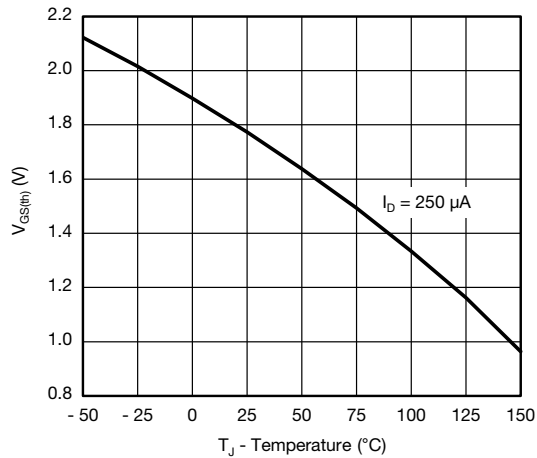
## CHANNEL-1 TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



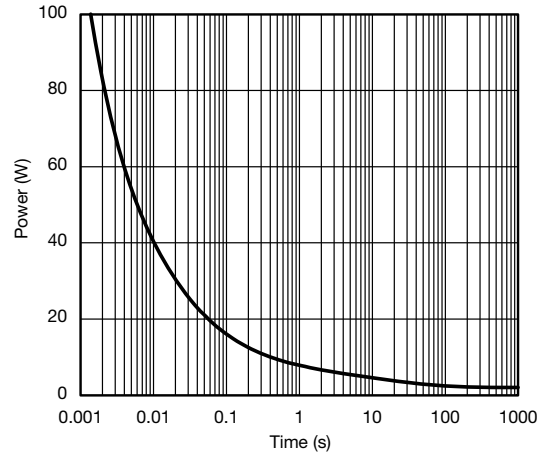
Source-Drain Diode Forward Voltage



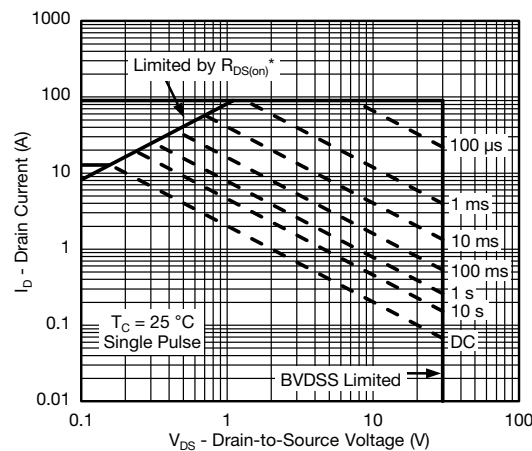
On-Resistance vs. Gate-to-Source Voltage



Threshold Voltage

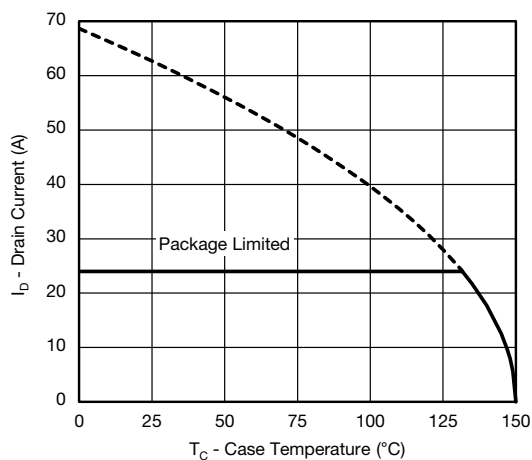
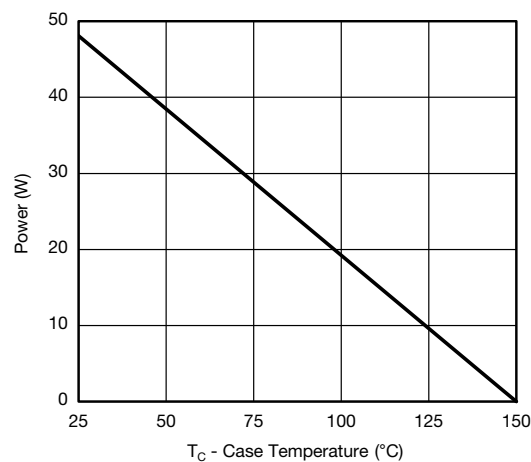


Single Pulse Power



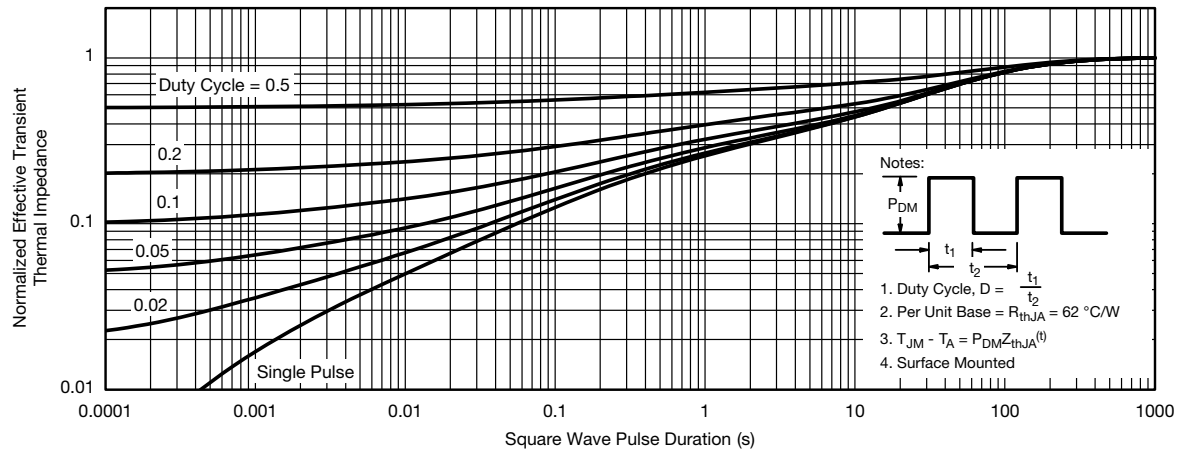
\*  $V_{GS} >$  minimum  $V_{GS}$  at which  $R_{DS(on)}$  is specified

Safe Operating Area, Junction-to-Ambient

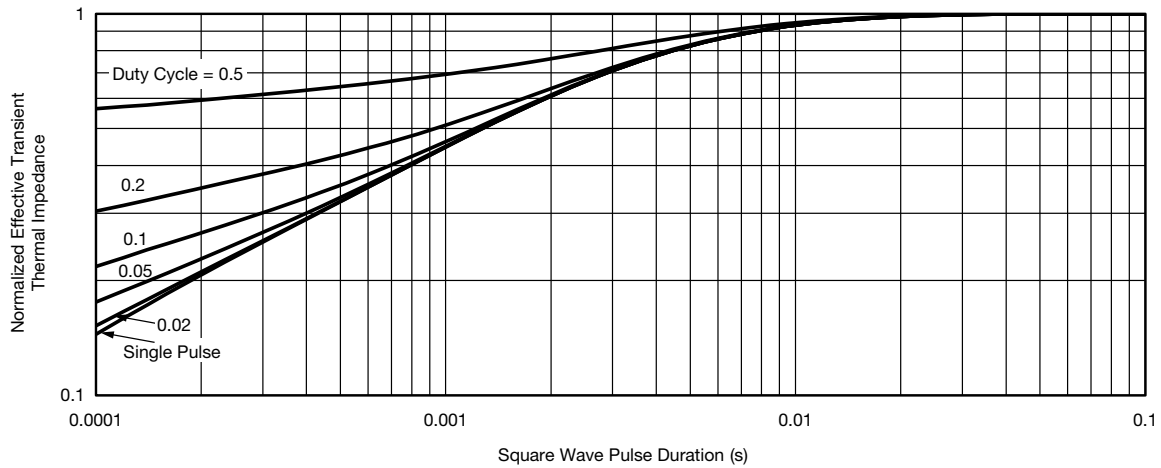
**CHANNEL-1 TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Current Derating\***

**Power, Junction-to-Case**

\* The power dissipation  $P_D$  is based on  $T_{J(max)} = 150$  °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.

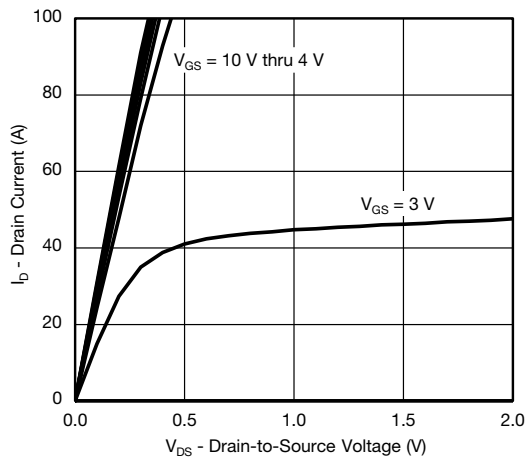
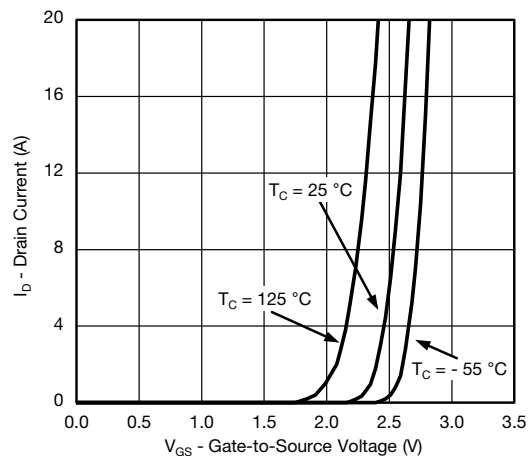
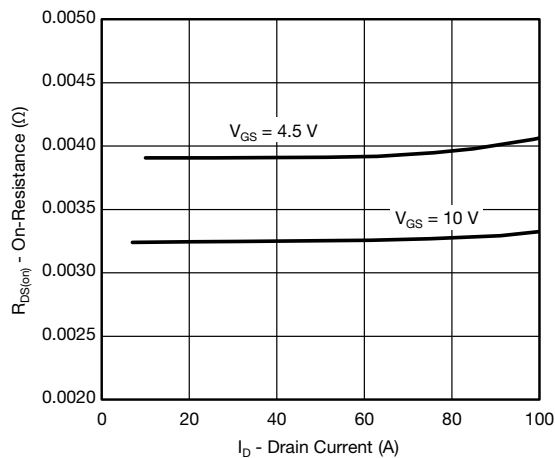
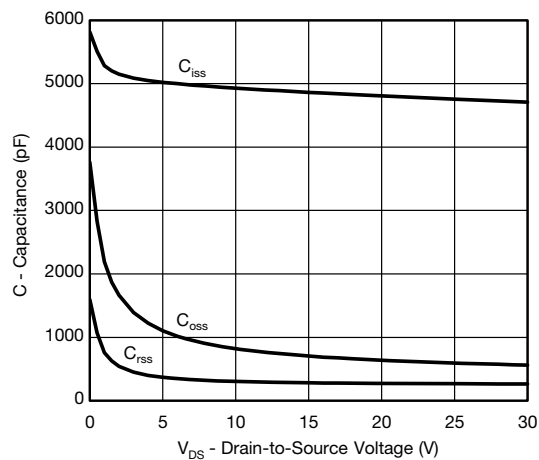
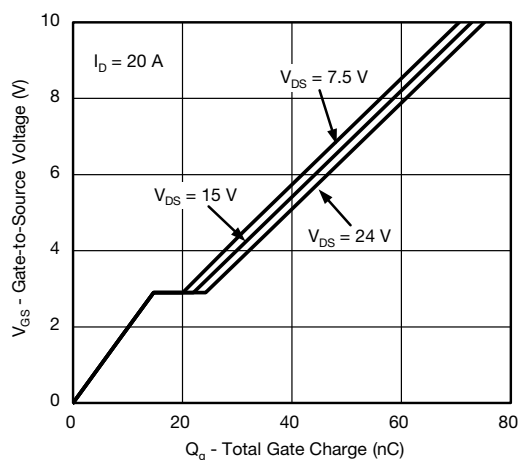
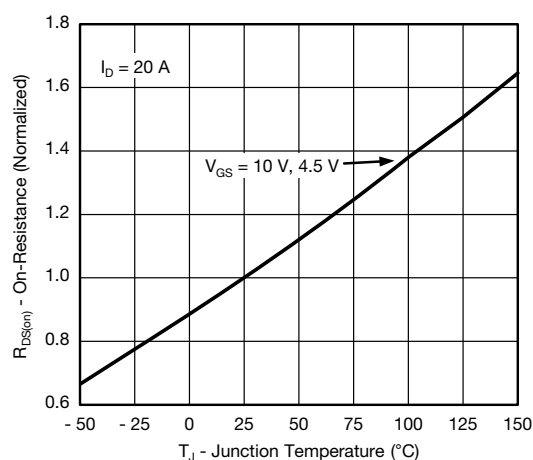
**CHANNEL-1 TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



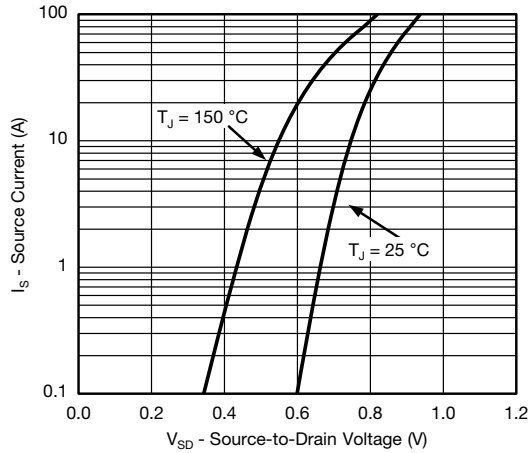
**Normalized Thermal Transient Impedance, Junction-to-Ambient**



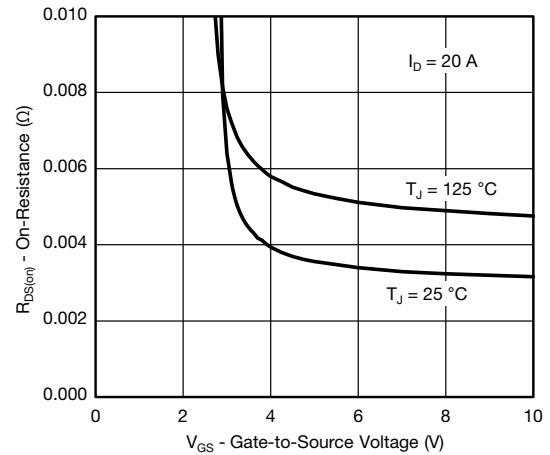
**Normalized Thermal Transient Impedance, Junction-to-Case**

**CHANNEL-2 TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)**Output Characteristics****Transfer Characteristics****On-Resistance vs. Drain Current****Capacitance****Gate Charge****On-Resistance vs. Junction Temperature**

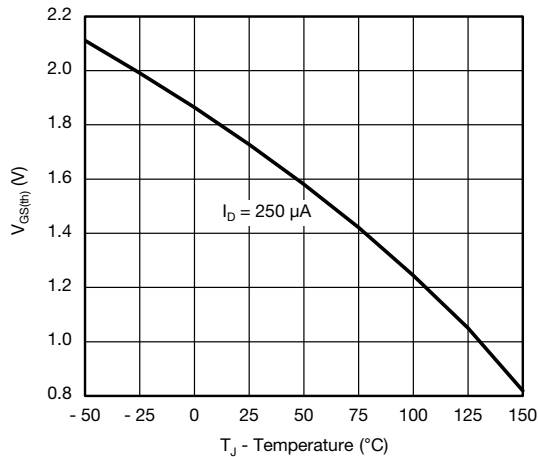
## CHANNEL-2 TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



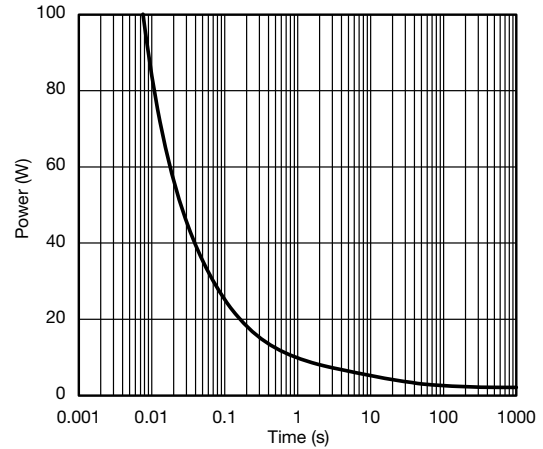
Source-Drain Diode Forward Voltage



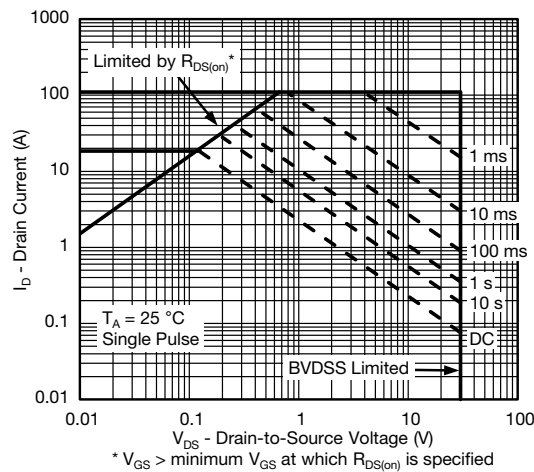
On-Resistance vs. Gate-to-Source Voltage



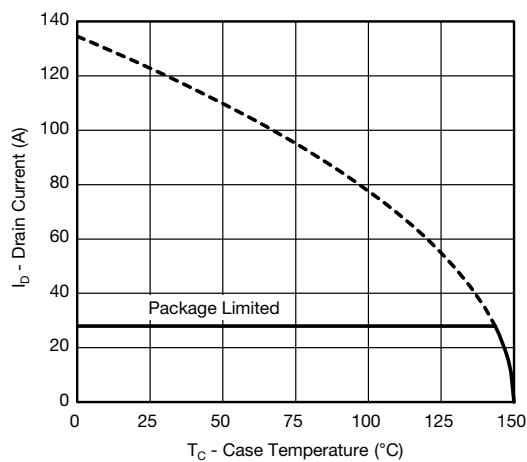
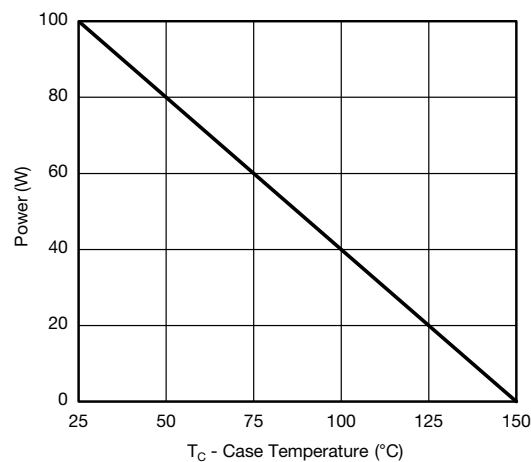
Threshold Voltage



Single Pulse Power

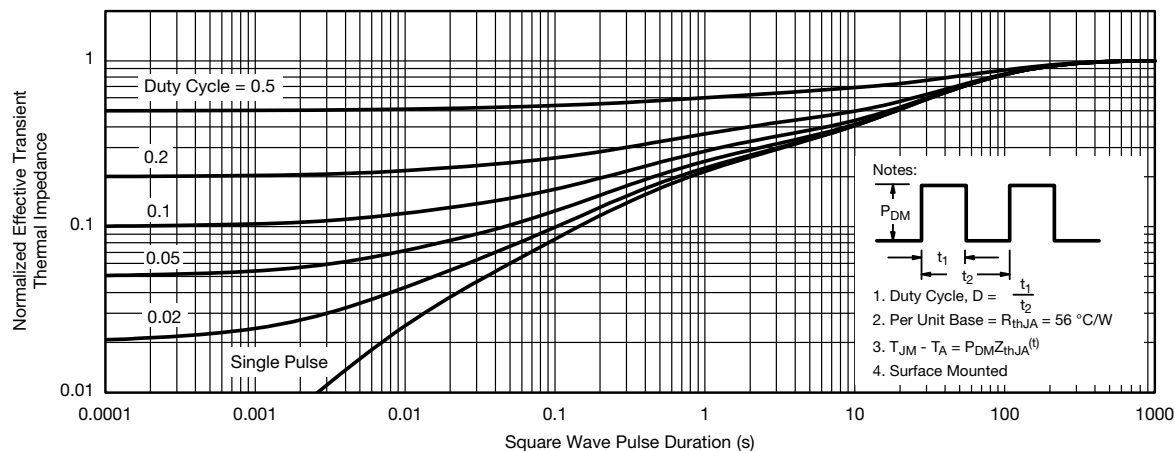


Safe Operating Area, Junction-to-Ambient

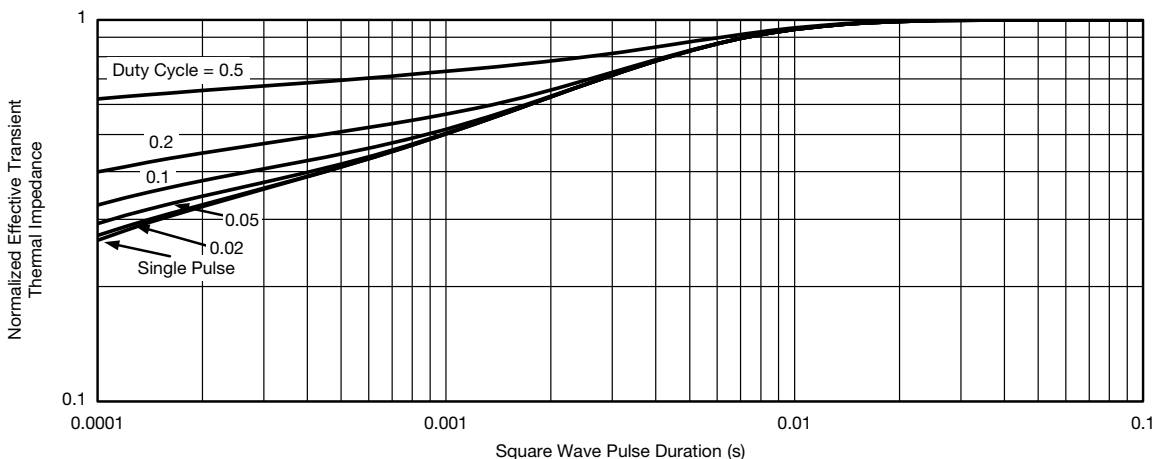
**CHANNEL-2 TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)

**Current Derating\***

**Power, Junction-to-Case**

\* The power dissipation  $P_D$  is based on  $T_{J(max)} = 150$  °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.

## CHANNEL-2 TYPICAL CHARACTERISTICS (25 °C, unless otherwise noted)



Normalized Thermal Transient Impedance, Junction-to-Ambient



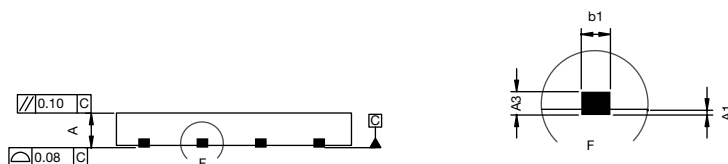
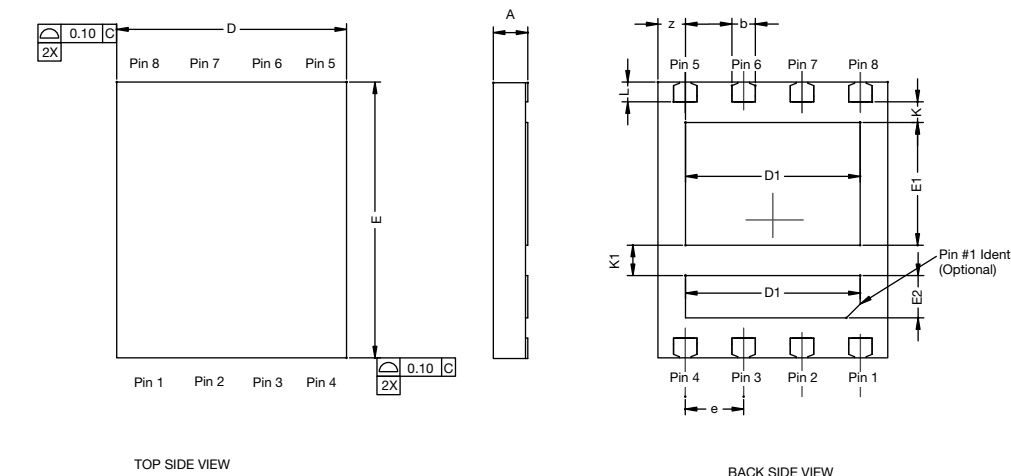
Normalized Thermal Transient Impedance, Junction-to-Case

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## PowerPAIR® 6 x 5 BW Case Outline

(for SiZ900DT only)



| DIM.                                         | MILLIMETERS |      |      | INCHES     |       |       |
|----------------------------------------------|-------------|------|------|------------|-------|-------|
|                                              | MIN.        | NOM. | MAX. | MIN.       | NOM.  | MAX.  |
| A                                            | 0.70        | 0.75 | 0.80 | 0.028      | 0.030 | 0.032 |
| A1                                           | 0.00        | -    | 0.10 | 0.000      | -     | 0.004 |
| A3                                           | 0.20 REF    |      |      | 0.008 REF  |       |       |
| b                                            | 0.51 BSC    |      |      | 0.020 BSC  |       |       |
| b1                                           | 0.25 BSC    |      |      | 0.010 BSC  |       |       |
| D                                            | 5.00 BSC    |      |      | 0.197 BSC  |       |       |
| D1                                           | 3.75        | 3.80 | 3.85 | 0.148      | 0.150 | 0.152 |
| E                                            | 6.00 BSC    |      |      | 0.236 BSC  |       |       |
| E1                                           | 2.62        | 2.67 | 2.72 | 0.103      | 0.105 | 0.107 |
| E2                                           | 0.87        | 0.92 | 0.97 | 0.034      | 0.036 | 0.038 |
| e                                            | 1.27 BSC    |      |      | 0.005 BSC  |       |       |
| K                                            | 0.45 TYP.   |      |      | 0.018 TYP. |       |       |
| K1                                           | 0.66 TYP.   |      |      | 0.026 TYP. |       |       |
| L                                            | 0.43 BSC    |      |      | 0.017 BSC  |       |       |
| z                                            | 0.34 BSC    |      |      | 0.013 BSC  |       |       |
| ECN: C11-1247-Rev. D, 31-Oct-11<br>DWG: 5978 |             |      |      |            |       |       |

# Recommended Minimum PAD for PowerPAIR® 6 x 5



Dimensions in millimeters (inch)

## Note

- Linear dimensions are in black, the same information is provided in ordinate dimensions which are in blue.



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