

## 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)	Q <sub>g</sub> (TYP.)
N-Channel	30	0.065 at V <sub>GS</sub> = 10 V	4 <sup>a</sup>	2 nC
		0.100 at V <sub>GS</sub> = 4.5 V	4 <sup>a</sup>	
P-Channel	-30	0.140 at V <sub>GS</sub> = -10 V	-3.7	2.2 nC
		0.235 at V <sub>GS</sub> = -4.5 V	-2.8	

### FEATURES

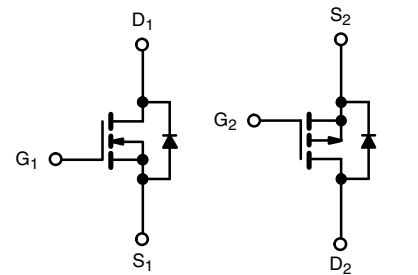
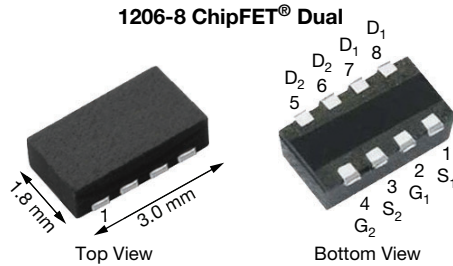
- TrenchFET® Power MOSFETs
- Material categorization:  
For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



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

### APPLICATIONS

- DC/DC for portable applications
- Load switch



N-Channel MOSFET    P-Channel MOSFET

**Marking Code:** EF

#### Ordering Information:

Si5504BDC-T1-E3 (Lead (Pb)-free)

Si5504BDC-T1-GE3 (Lead (Pb)-free and Halogen-free)

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			
Continuous Drain Current (T <sub>J</sub> = 150 °C)	I <sub>D</sub>	T <sub>C</sub> = 25 °C	4 <sup>a</sup>	-3.7	A
		T <sub>C</sub> = 85 °C	3.8	-2.7	
		T <sub>A</sub> = 25 °C	3.7 <sup>b,c</sup>	-2.5 <sup>b,c</sup>	
		T <sub>A</sub> = 85 °C	2.6 <sup>b,c</sup>	-1.8 <sup>b,c</sup>	
Pulsed Drain Current	I <sub>DM</sub>	10	-10		
Source Drain Current Diode Current	I <sub>S</sub>	T <sub>C</sub> = 25 °C	2.5	-2.5	
		T <sub>A</sub> = 25 °C	1.3 <sup>b,c</sup>	-1.3 <sup>b,c</sup>	
Maximum Power Dissipation	P <sub>D</sub>	T <sub>C</sub> = 25 °C	3.12	3.1	W
		T <sub>C</sub> = 85 °C	2	2	
		T <sub>A</sub> = 25 °C	1.5 <sup>b,c</sup>	1.5 <sup>b,c</sup>	
		T <sub>A</sub> = 85 °C	0.8 <sup>b,c</sup>	0.8 <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	N-CHANNEL		P-CHANNEL		UNIT	
		TYP.	MAX.	TYP.	MAX.		
Maximum Junction-to-Ambient <sup>b,f</sup>	t ≤ 5 s	R <sub>thJA</sub>	70	85	70	85	°C/W
Maximum Junction-to-Foot (Drain)	Steady State	R <sub>thJF</sub>	33	40	33	40	

#### Notes

- Package limited.
- Surface mounted on 1" x 1" FR4 board.
- t = 5 s.
- See reliability manual for profile. The ChipFET 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.
- Rework conditions: Manual soldering with a soldering iron is not recommended for leadless components.
- Maximum under steady state conditions is 120 °C/W.



SPECIFICATIONS (T <sub>J</sub> = 25 °C, unless otherwise noted)								
PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT	
<b>Static</b>								
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	-	27	-	mV/°C	
		I <sub>D</sub> = -250 μA	P-Ch	-	-30	-		
V <sub>GS(th)</sub> Temperature Coefficient	ΔV <sub>GS(th)</sub> /T <sub>J</sub>	I <sub>D</sub> = 250 μA	N-Ch	-	-5	-		
		I <sub>D</sub> = -250 μA	P-Ch	-	3.5	-		
Gate Threshold Voltage	V <sub>GS(th)</sub>	V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = 250 μA	N-Ch	1.5	-	3	V	
		V <sub>DS</sub> = V <sub>GS</sub> , I <sub>D</sub> = -250 μA	P-Ch	-1.5	-	-3		
Gate-Body Leakage	I <sub>GSS</sub>	V <sub>DS</sub> = 0 V, V <sub>GS</sub> = ± 20 V	N-Ch	-	-	100	nA	
			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	
			P-Ch	-	-	-1		
			V <sub>DS</sub> = 30 V, V <sub>GS</sub> = 0 V, T <sub>J</sub> = 85 °C	N-Ch	-	-		5
			P-Ch	-	-	-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	N-Ch	10	-	-	A	
		V <sub>DS</sub> ≤ -5 V, V <sub>GS</sub> = -10 V	P-Ch	-10	-	-		
Drain-Source On-State Resistance <sup>b</sup>	R <sub>DS(on)</sub>	V <sub>GS</sub> = 10 V, I <sub>D</sub> = 3.1 A	N-Ch	-	0.053	0.065	Ω	
			P-Ch	-	0.112	0.140		
			V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 1 A	N-Ch	-	0.081		0.100
			P-Ch	-	0.188	0.235		
Forward Transconductance <sup>b</sup>	g <sub>fs</sub>	V <sub>DS</sub> = 15 V, I <sub>D</sub> = 3.1 A	N-Ch	-	5	-	S	
		V <sub>DS</sub> = -15 V, I <sub>D</sub> = -2.1 A	P-Ch	-	3.5	-		
<b>Dynamic<sup>a</sup></b>								
Input Capacitance	C <sub>iss</sub>	N-Channel V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 0 V, f = 1 MHz  P-Channel V <sub>DS</sub> = -15 V, V <sub>GS</sub> = 0 V, f = 1 MHz	N-Ch	-	220	-	pF	
			P-Ch	-	170	-		
Output Capacitance	C <sub>oss</sub>		N-Ch	-	50	-		
			P-Ch	-	50	-		
Reverse Transfer Capacitance	C <sub>rss</sub>		N-Ch	-	25	-		
			P-Ch	-	31	-		
Total Gate Charge	Q <sub>g</sub>	V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 10 V, I <sub>D</sub> = 3.6 A V <sub>DS</sub> = -15 V, V <sub>GS</sub> = -10 V, I <sub>D</sub> = -2.5 A	N-Ch	-	4.5	7	nC	
			P-Ch	-	4.5	7		
			N-Ch	-	2	3		
			P-Ch	-	2.2	3.5		
Gate-Source Charge	Q <sub>gs</sub>	N-Channel V <sub>DS</sub> = 15 V, V <sub>GS</sub> = 4.5 V, I <sub>D</sub> = 3.6 A  P-Channel V <sub>DS</sub> = -15 V, V <sub>GS</sub> = -4.5 V, I <sub>D</sub> = -2.5 A	N-Ch	-	0.7	-		
			P-Ch	-	0.7	-		
Gate-Drain Charge	Q <sub>gd</sub>		N-Ch	-	0.7	-		
			P-Ch	-	1	-		
Gate Resistance	R <sub>g</sub>		f = 1 MHz	N-Ch	-	3	-	Ω
				P-Ch	-	13	-	

**Notes**

- a. Guaranteed by design, not subject to production testing.
- b. Pulse test; pulse width ≤ 300 μs, duty cycle ≤ 2 %.



SPECIFICATIONS (T <sub>J</sub> = 25 °C, unless otherwise noted)							
PARAMETER	SYMBOL	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT	
<b>Dynamic <sup>a</sup></b>							
Turn-On Delay Time	t <sub>d(on)</sub>	N-Channel V <sub>DD</sub> = 15 V, R <sub>L</sub> = 5.8 Ω I <sub>D</sub> ≅ 2.6 A, V <sub>GEN</sub> = 4.5 V, R <sub>g</sub> = 1 Ω	N-Ch	-	15	25	ns
			P-Ch	-	30	45	
Rise Time	t <sub>r</sub>	P-Channel V <sub>DD</sub> = -15 V, R <sub>L</sub> = 7.5 Ω I <sub>D</sub> ≅ -2 A, V <sub>GEN</sub> = -4.5 V, R <sub>g</sub> = 1 Ω	N-Ch	-	80	120	
			P-Ch	-	60	90	
Turn-Off Delay Time	t <sub>d(off)</sub>	N-Channel V <sub>DD</sub> = 15 V, R <sub>L</sub> = 5.8 Ω I <sub>D</sub> ≅ 2.6 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	12	20	
			P-Ch	-	10	15	
Fall Time	t <sub>f</sub>	P-Channel V <sub>DD</sub> = -15 V, R <sub>L</sub> = 7.5 Ω I <sub>D</sub> ≅ -2 A, V <sub>GEN</sub> = -10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	25	40	
			P-Ch	-	10	15	
Turn-On Delay Time	t <sub>d(on)</sub>	N-Channel V <sub>DD</sub> = 15 V, R <sub>L</sub> = 5.8 Ω I <sub>D</sub> ≅ 2.6 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	4	8	
			P-Ch	-	4	8	
Rise Time	t <sub>r</sub>	P-Channel V <sub>DD</sub> = -15 V, R <sub>L</sub> = 7.5 Ω I <sub>D</sub> ≅ -2 A, V <sub>GEN</sub> = -10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	12	20	
			P-Ch	-	10	15	
Turn-Off Delay Time	t <sub>d(off)</sub>	N-Channel V <sub>DD</sub> = 15 V, R <sub>L</sub> = 5.8 Ω I <sub>D</sub> ≅ 2.6 A, V <sub>GEN</sub> = 10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	10	15	
			P-Ch	-	10	15	
Fall Time	t <sub>f</sub>	P-Channel V <sub>DD</sub> = -15 V, R <sub>L</sub> = 7.5 Ω I <sub>D</sub> ≅ -2 A, V <sub>GEN</sub> = -10 V, R <sub>g</sub> = 1 Ω	N-Ch	-	5	10	
			P-Ch	-	5	10	
<b>Drain-Source Body Diode Characteristics</b>							
Continuous Source-Drain Diode Current	I <sub>S</sub>	T <sub>C</sub> = 25 °C	N-Ch	-	-	2.5	A
			P-Ch	-	-	-2.5	
Pulse Diode Forward Current <sup>a</sup>	I <sub>SM</sub>		N-Ch	-	-	10	A
			P-Ch	-	-	-10	
Body Diode Voltage	V <sub>SD</sub>	I <sub>S</sub> = 2.6 A, V <sub>GS</sub> = 0 V	N-Ch	-	0.8	1.2	V
		I <sub>S</sub> = -2 A, V <sub>GS</sub> = 0 V	P-Ch	-	-0.8	-1.2	
Body Diode Reverse Recovery Time	t <sub>rr</sub>	N-Channel I <sub>F</sub> = 2.6 A, di/dt = 100 A/μs, T <sub>J</sub> = 25 °C	N-Ch	-	30	50	ns
			P-Ch	-	20	40	
Body Diode Reverse Recovery Charge	Q <sub>rr</sub>	P-Channel I <sub>F</sub> = -2 A, di/dt = -100 A/μs, T <sub>J</sub> = 25 °C	N-Ch	-	20	40	nC
			P-Ch	-	10	20	
Reverse Recovery Fall Time	t <sub>a</sub>	N-Channel I <sub>F</sub> = 2.6 A, di/dt = 100 A/μs, T <sub>J</sub> = 25 °C	N-Ch	-	23	-	ns
			P-Ch	-	13	-	
Reverse Recovery Rise Time	t <sub>b</sub>	P-Channel I <sub>F</sub> = -2 A, di/dt = -100 A/μs, T <sub>J</sub> = 25 °C	N-Ch	-	7	-	
			P-Ch	-	7	-	

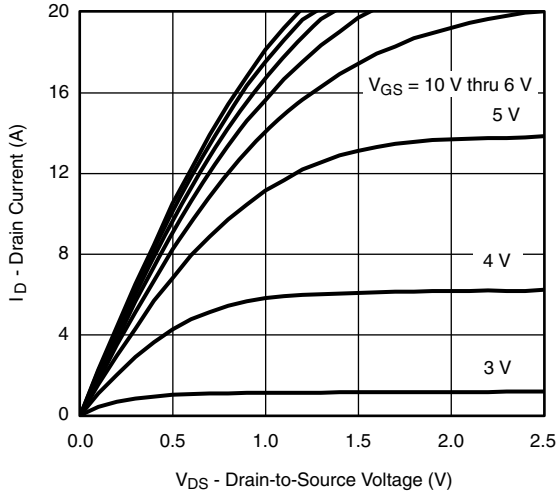
**Notes**

- a. Guaranteed by design, not subject to production testing.
- b. Pulse test; pulse width ≤ 300 μs, duty cycle ≤ 2 %.

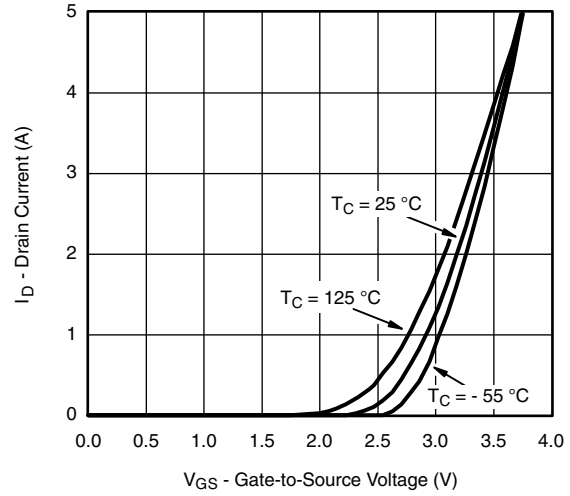
Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure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



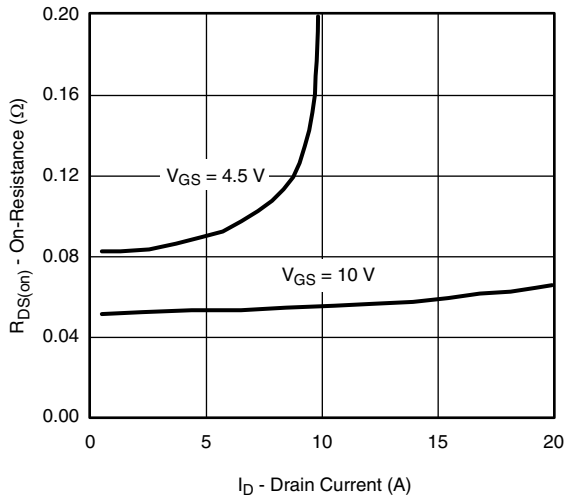
**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



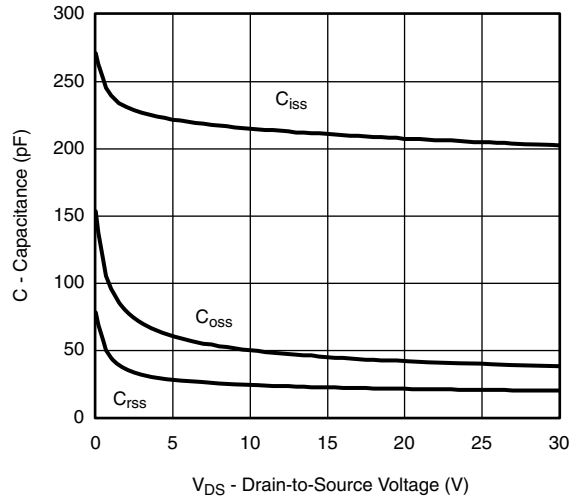
**Output Characteristics**



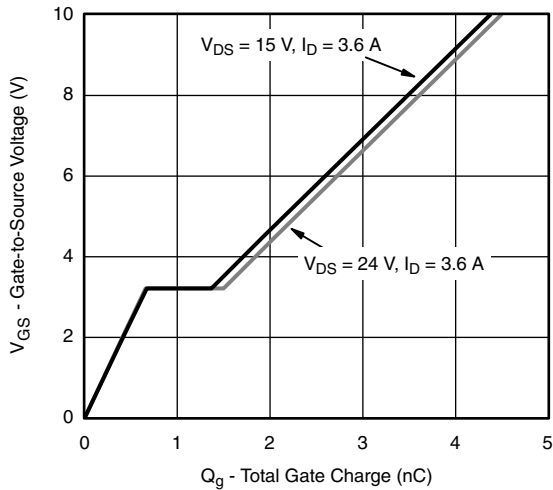
**Transfer Characteristics**



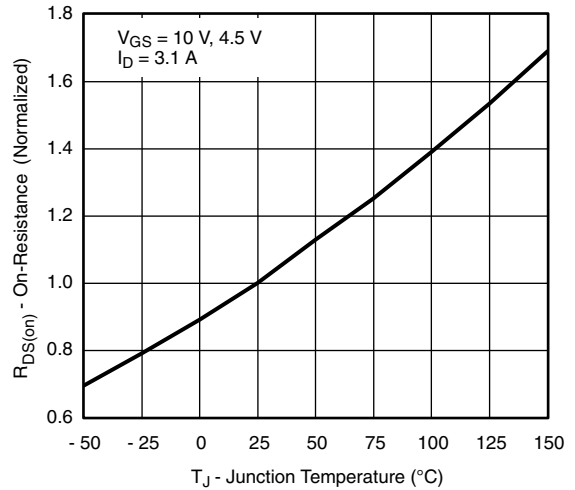
**On-Resistance vs. Drain Current**



**Capacitance**



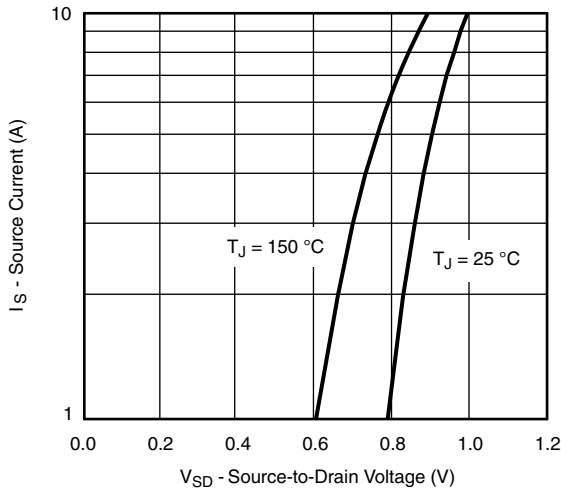
**Gate Charge**



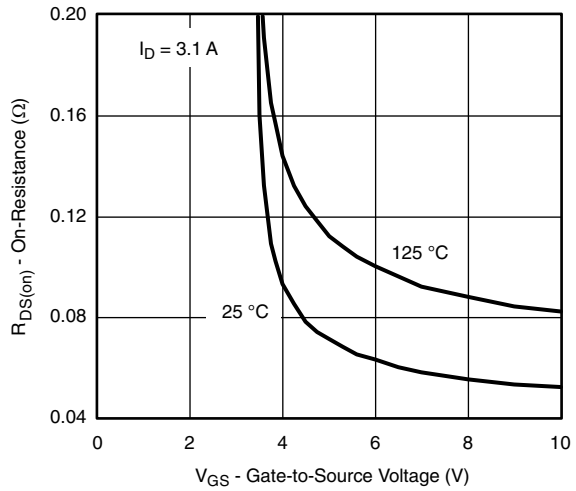
**On-Resistance vs. Junction Temperature**



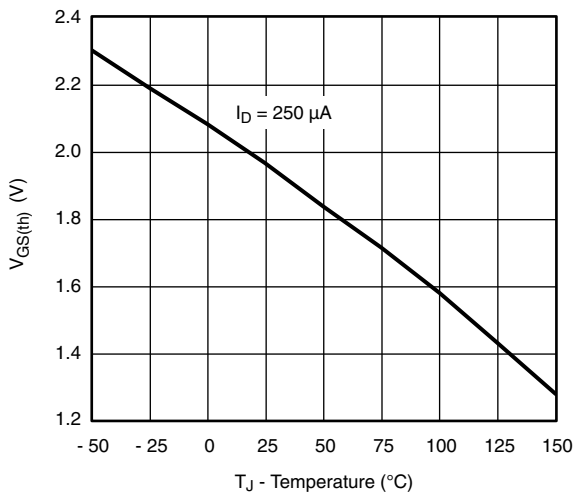
**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



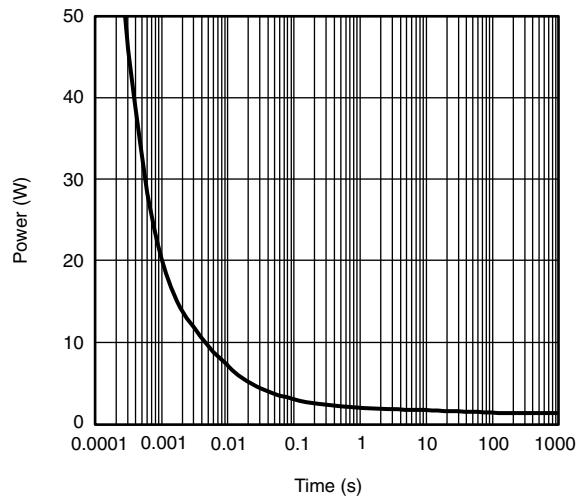
**Source-Drain Diode Forward Voltage**



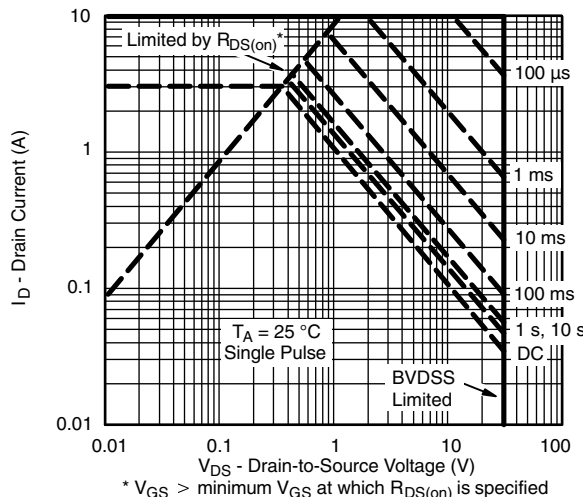
**On-Resistance vs. Gate-to-Source Voltage**



**Threshold Voltage**



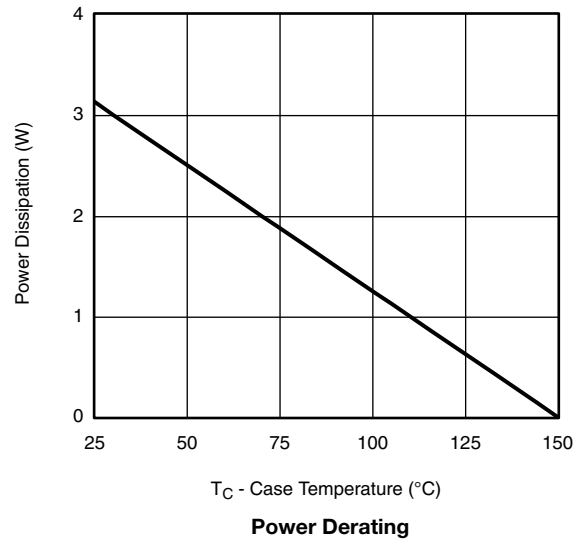
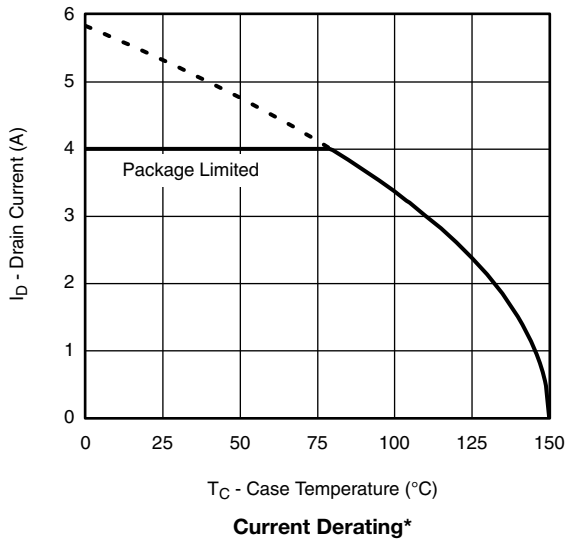
**Single Pulse Power**



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



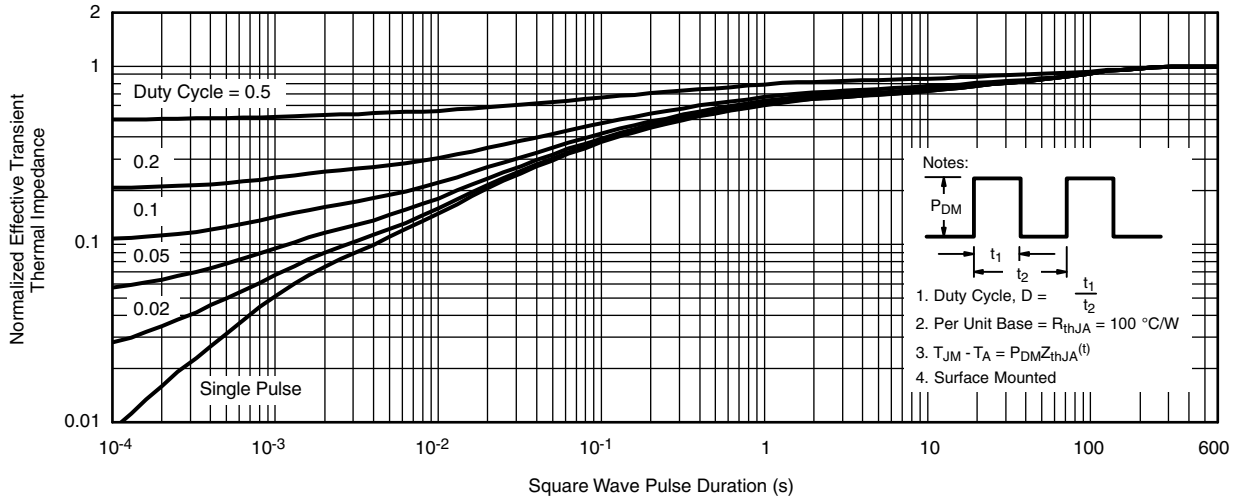
**N-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



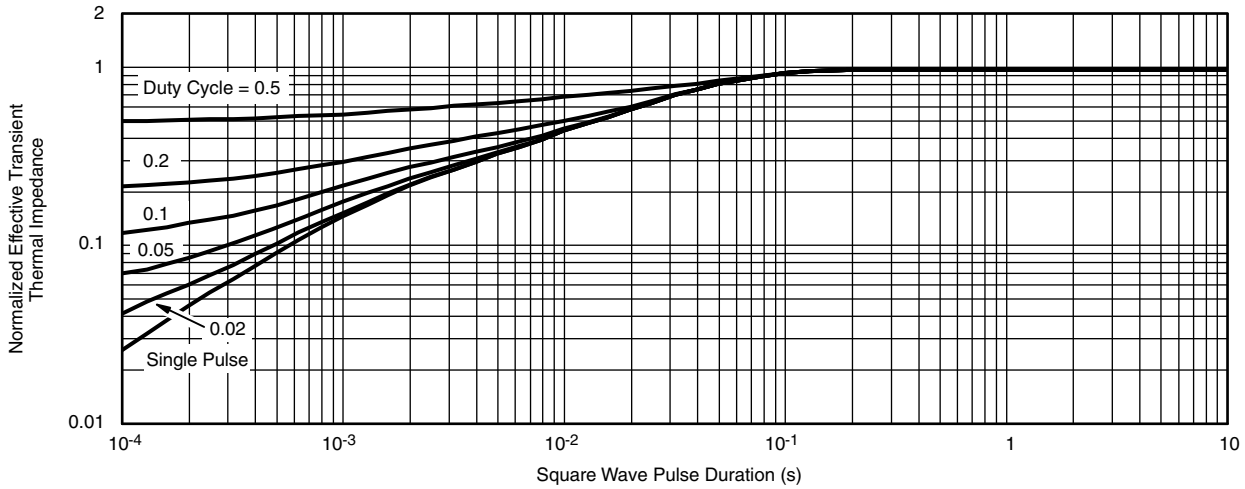
\* The power dissipation  $P_D$  is based on  $T_{(max.)} = 150\text{ °C}$ , using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the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



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



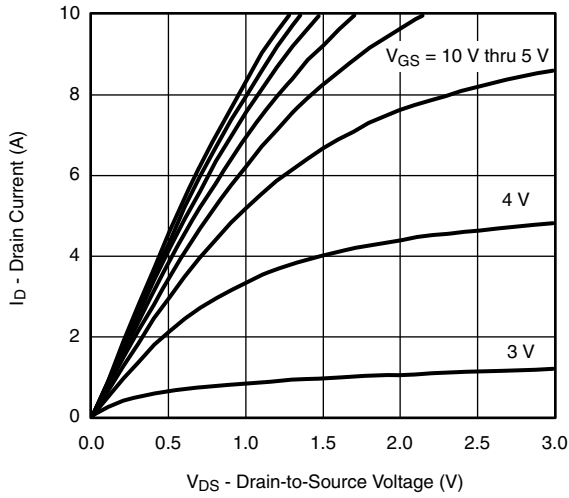
Normalized Thermal Transient Impedance, Junction-to-Ambient



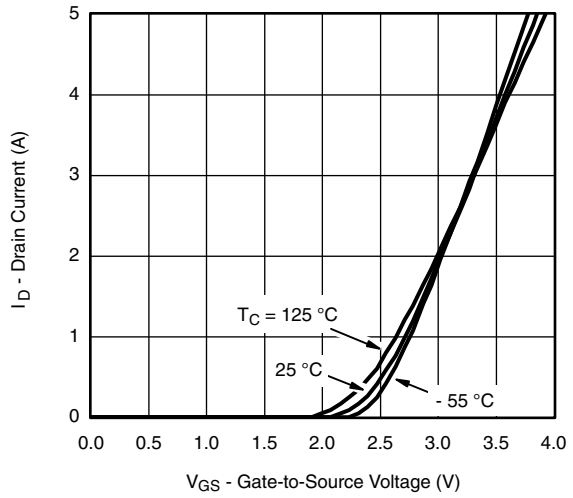
Normalized Thermal Transient Impedance, Junction-to-Foot



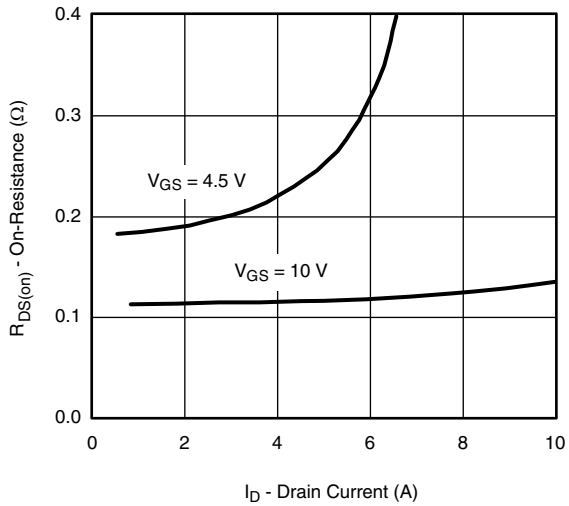
**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



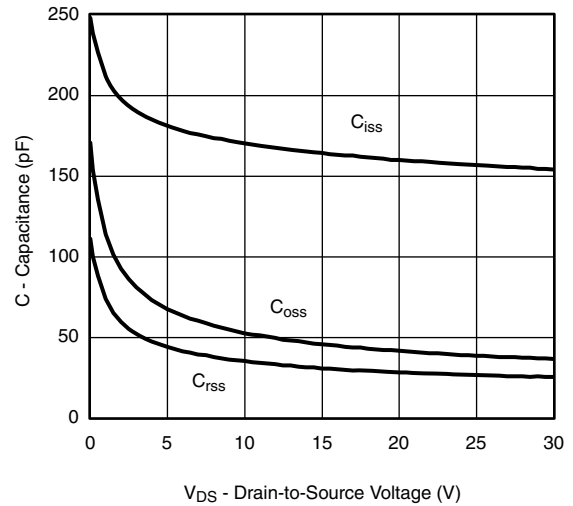
**Output Characteristics**



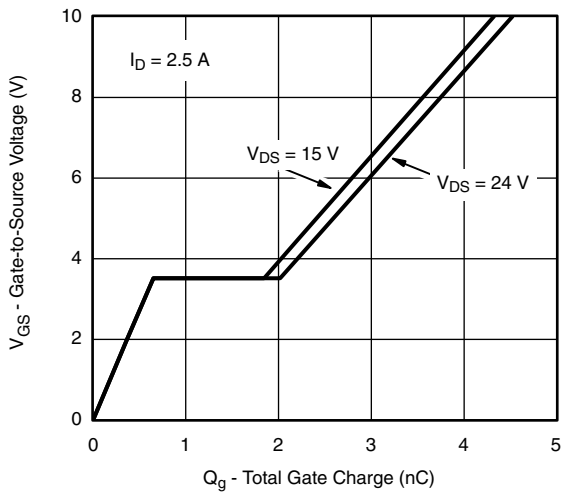
**Transfer Characteristics**



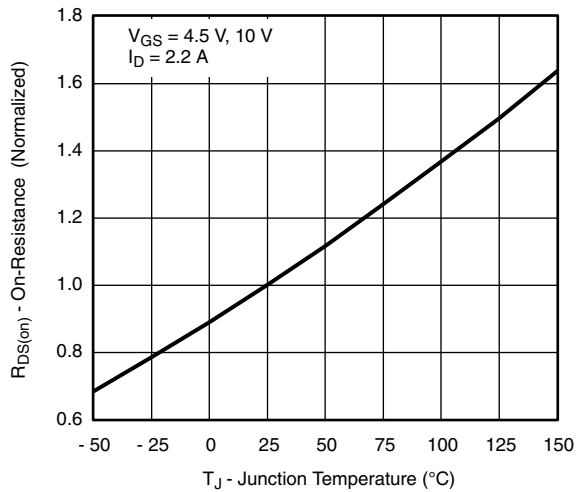
**On-Resistance vs. Drain Current**



**Capacitance**



**Gate Charge**

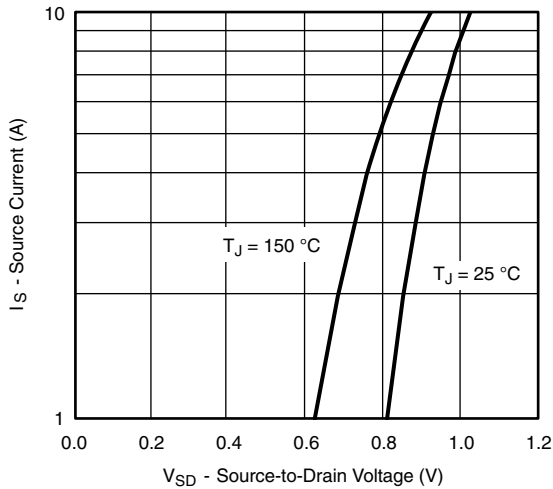


**On-Resistance vs. Junction Temperature**

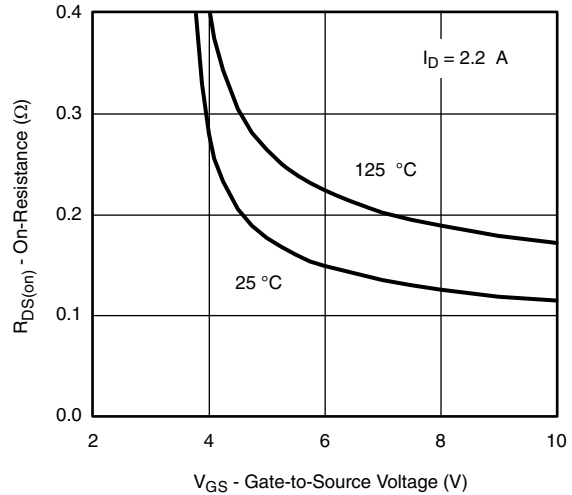




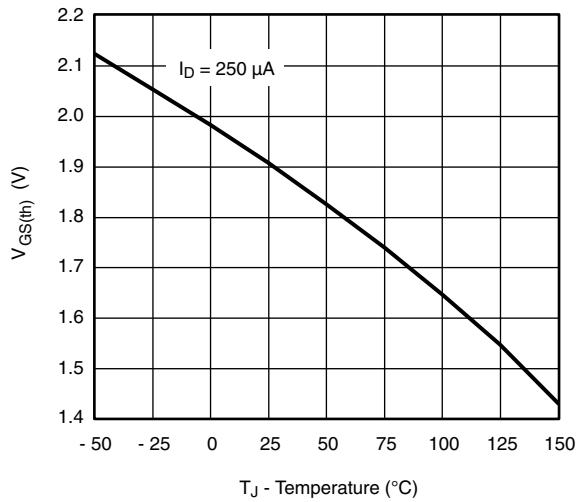
**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



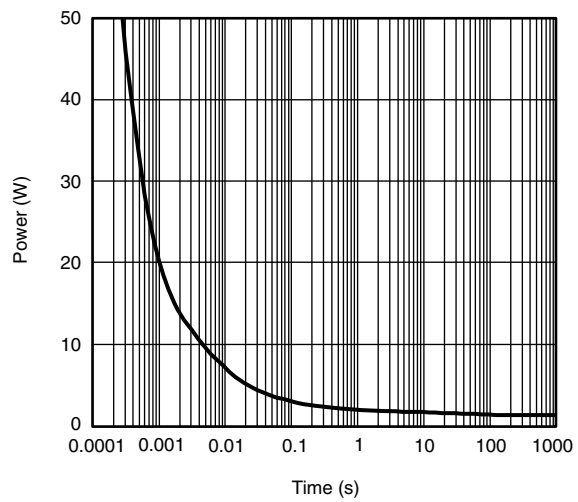
**Source-Drain Diode Forward Voltage**



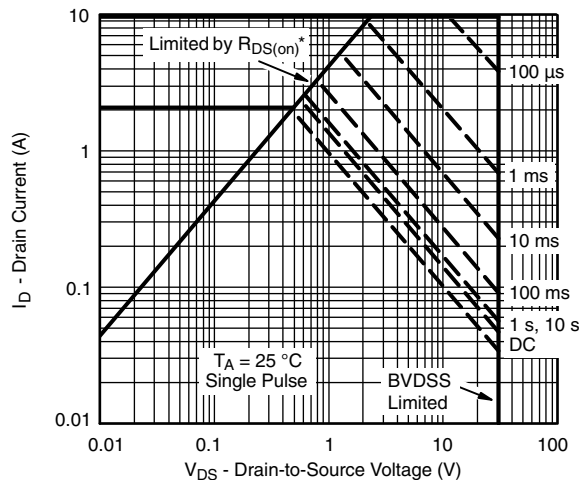
**On-Resistance vs. Gate-to-Source Voltage**



**Threshold Voltage**



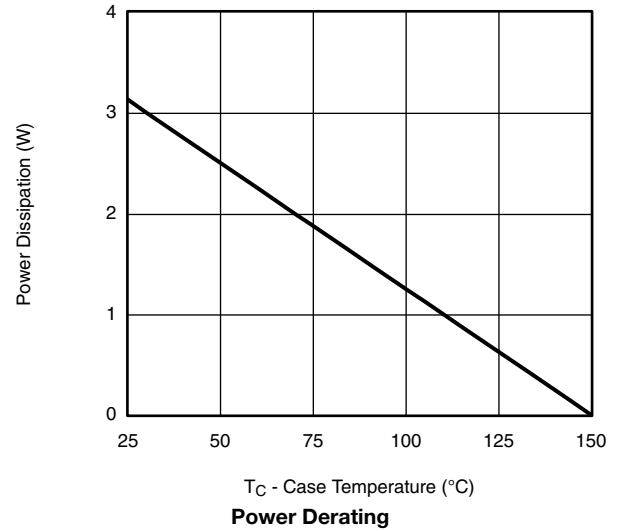
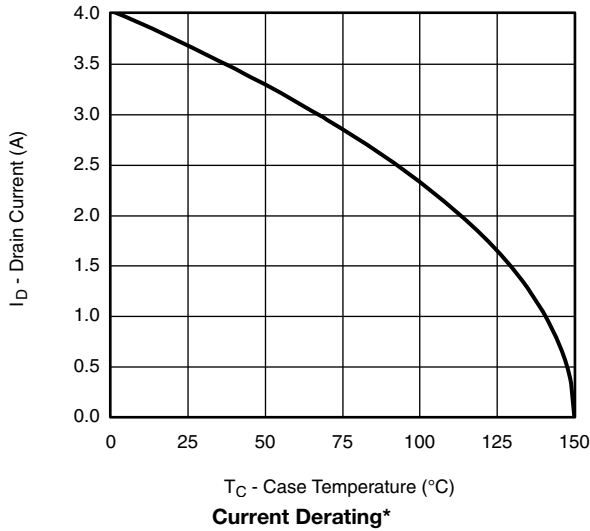
**Single Pulse Power**



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



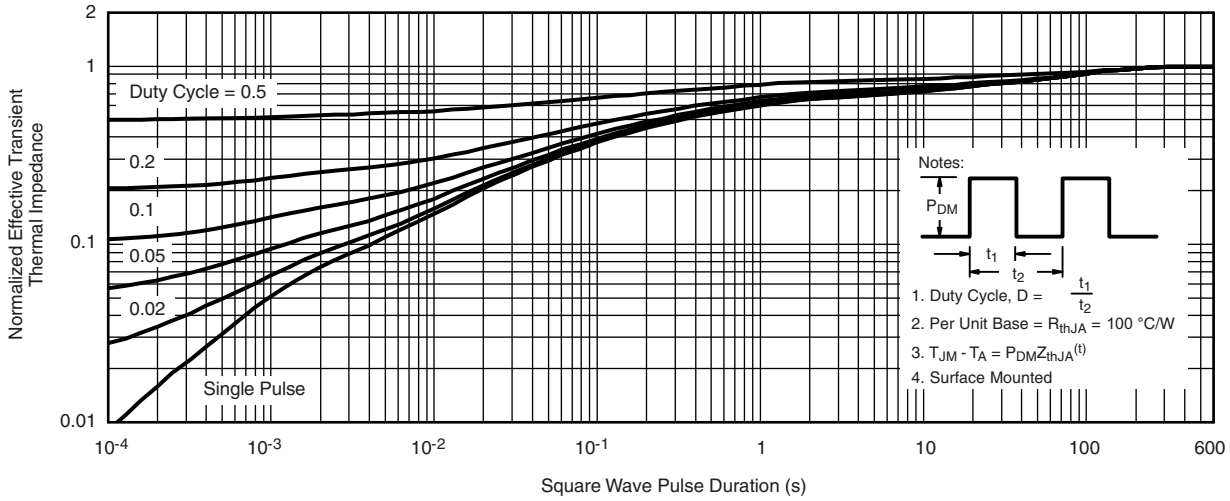
**P-CHANNEL TYPICAL CHARACTERISTICS** (25 °C, unless otherwise noted)



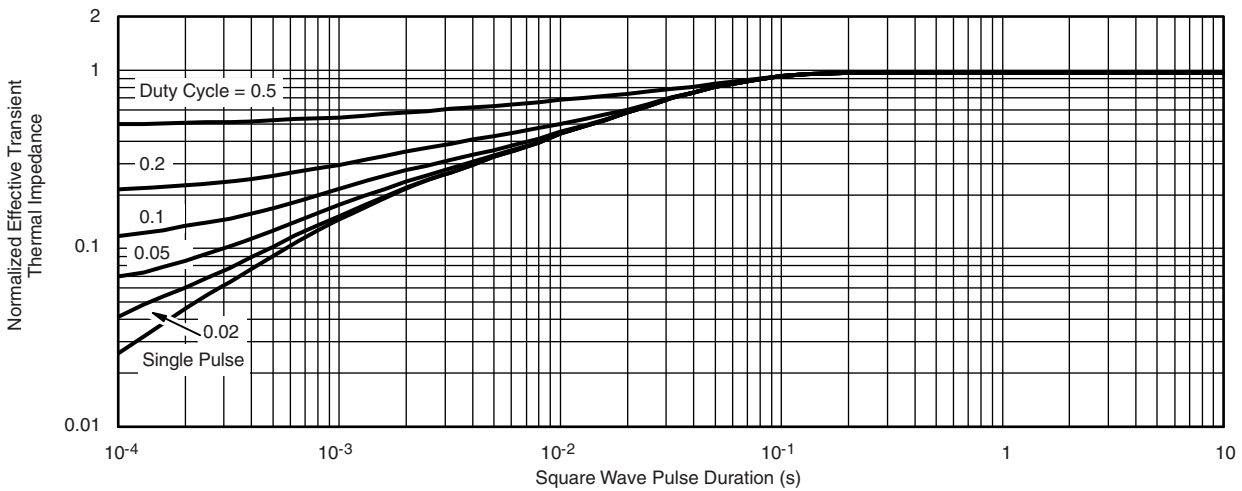
\* The power dissipation  $P_D$  is based on  $T_{J(max.)} = 150$  °C, using junction-to-case thermal resistance, and is more useful in settling the upper dissipation limit for cases where additional heatsinking is used. It is used to determine the current rating, when this rating falls below the package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



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



Normalized Thermal Transient Impedance, Junction-to-Ambient

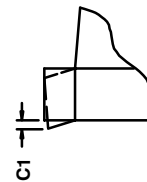
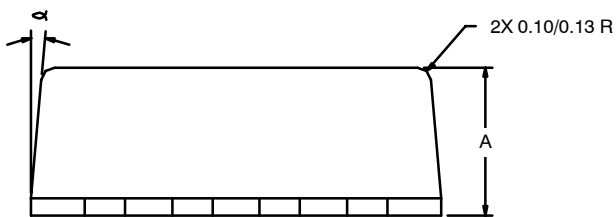
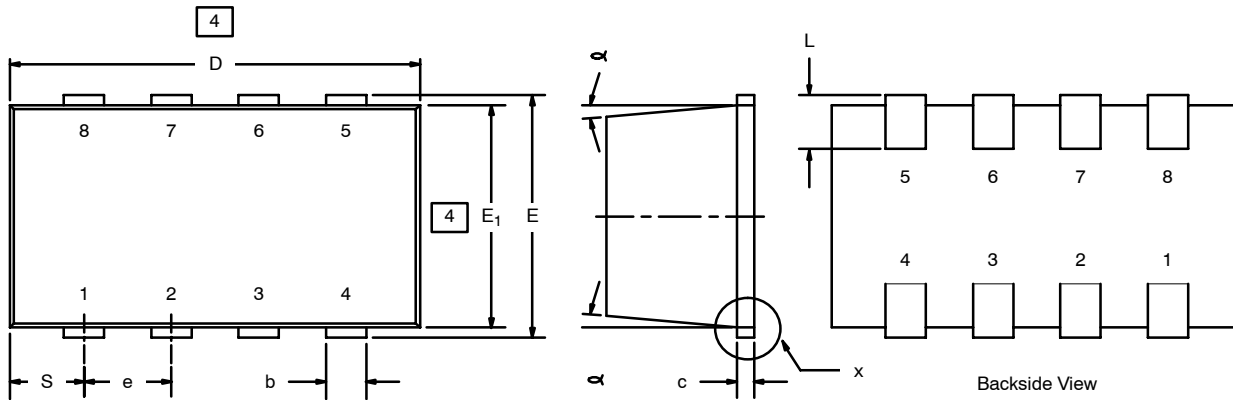


Normalized Thermal Transient Impedance, Junction-to-Foot

Vishay Siliconix maintains worldwide manufacturing capability. Products may be manufactured at one of several qualified locations. Reliability data for Silicon Technology and Package Reliability represent a composite of all qualified locations. For related documents such as package/tape drawings, part marking, and reliability data, see [www.vishay.com/ppg?74483](http://www.vishay.com/ppg?74483).



1206-8 ChipFET®



DETAIL X

NOTES:

1. All dimensions are in millimeters.
2. Mold gate burrs shall not exceed 0.13 mm per side.
3. Leadframe to molded body offset is horizontal and vertical shall not exceed 0.08 mm.

4. Dimensions exclusive of mold gate burrs.

5. No mold flash allowed on the top and bottom lead surface.

Dim	MILLIMETERS			INCHES		
	Min	Nom	Max	Min	Nom	Max
A	1.00	—	1.10	0.039	—	0.043
b	0.25	0.30	0.35	0.010	0.012	0.014
c	0.1	0.15	0.20	0.004	0.006	0.008
c1	0	—	0.038	0	—	0.0015
D	2.95	3.05	3.10	0.116	0.120	0.122
E	1.825	1.90	1.975	0.072	0.075	0.078
E <sub>1</sub>	1.55	1.65	1.70	0.061	0.065	0.067
e	0.65 BSC			0.0256 BSC		
L	0.28	—	0.42	0.011	—	0.017
S	0.55 BSC			0.022 BSC		
α	5°Nom			5°Nom		
ECN: C-03528—Rev. F, 19-Jan-04 DWG: 5547						

# Dual-Channel 1206-8 ChipFET® Power MOSFET Recommended Pad Pattern and Thermal Performance

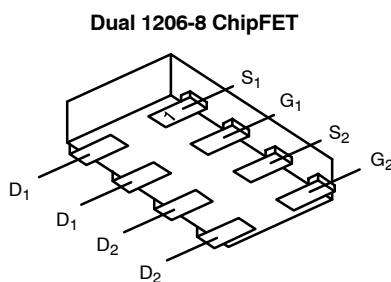
## INTRODUCTION

New Vishay Siliconix ChipFETs in the leadless 1206-8 package feature the same outline as popular 1206-8 resistors and capacitors but provide all the performance of true power semiconductor devices. The 1206-8 ChipFET has the same footprint as the body of the LITTLE FOOT® TSOP-6, and can be thought of as a leadless TSOP-6 for purposes of visualizing board area, but its thermal performance bears comparison with the much larger SO-8.

This technical note discusses the dual ChipFET 1206-8 pin-out, package outline, pad patterns, evaluation board layout, and thermal performance.

## PIN-OUT

Figure 1 shows the pin-out description and Pin 1 identification for the dual-channel 1206-8 ChipFET device. The pin-out is similar to the TSOP-6 configuration, with two additional drain pins to enhance power dissipation and thus thermal performance. The legs of the device are very short, again helping to reduce the thermal path to the external heatsink/pcb and allowing a larger die to be fitted in the device if necessary.

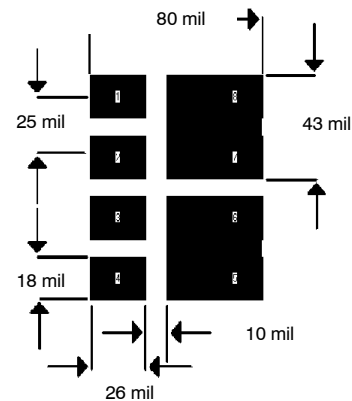


**FIGURE 1.**

For package dimensions see the 1206-8 ChipFET package outline drawing (<http://www.vishay.com/doc?71151>).

## BASIC PAD PATTERNS

The basic pad layout with dimensions is shown in Application Note 826, *Recommended Minimum Pad Patterns With Outline Drawing Access for Vishay Siliconix MOSFETs*, (<http://www.vishay.com/doc?72286>). This is sufficient for low power dissipation MOSFET applications, but power semiconductor performance requires a greater copper pad area, particularly for the drain leads.



**FIGURE 2.** Footprint With Copper Spreading

The pad pattern with copper spreading shown in Figure 2 improves the thermal area of the drain connections (pins 5 and 6, pins 7 and 8) while remaining within the confines of the basic footprint. The drain copper area is 0.0019 sq. in. or 1.22 sq. mm. This will assist the power dissipation path away from the device (through the copper leadframe) and into the board and exterior chassis (if applicable) for the dual device. The addition of a further copper area and/or the addition of vias to other board layers will enhance the performance still further. An example of this method is implemented on the Vishay Siliconix Evaluation Board described in the next section (Figure 3).

## THE VISHAY SILICONIX EVALUATION BOARD FOR THE DUAL 1206-8

The dual ChipFET 1206-08 evaluation board measures 0.6 in by 0.5 in. Its copper pad pattern consists of an increased pad area around each of the two drain leads on the top-side—approximately 0.0246 sq. in. or 15.87 sq. mm—and vias added through to the underside of the board, again with a maximized copper pad area of approximately the board-size dimensions, split into two for each of the drains. The outer package outline is for the 8-pin DIP, which will allow test sockets to be used to assist in testing.

The thermal performance of the 1206-8 on this board has been measured with the results following on the next page. The testing included comparison with the minimum recommended footprint on the evaluation board-size pcb and the industry standard one-inch square FR4 pcb with copper on both sides of the board.



FIGURE 3.

**THERMAL PERFORMANCE**

**Junction-to-Foot Thermal Resistance (the Package Performance)**

Thermal performance for the 1206-8 ChipFET measured as junction-to-foot thermal resistance is 30°C/W typical, 40°C/W maximum for the dual device. The “foot” is the drain lead of the device as it connects with the body. This is identical to the dual SO-8 package  $R_{\theta_{jf}}$  performance, a feat made possible by shortening the leads to the point where they become only a small part of the total footprint area.

**Junction-to-Ambient Thermal Resistance (dependent on pcb size)**

The typical  $R_{\theta_{ja}}$  for the dual-channel 1206-8 ChipFET is 90°C/W steady state, identical to the SO-8. Maximum ratings are 110°C/W for both the 1206-8 and the SO-8. Both packages have comparable thermal performance on the 1” square pcb footprint with the 1206-8 dual package having a quarter of the body area, a significant factor when considering board area.

**Testing**

To aid comparison further, Figure 4 illustrates ChipFET 1206-8 dual thermal performance on two different board sizes and three different pad patterns. The results display the thermal performance out to steady state and produce a graphic account on how an increased copper pad area for the drain connections can enhance thermal performance. The measured steady state values of  $R_{\theta_{ja}}$  for the Dual 1206-8 ChipFET are :

1) Minimum recommended pad pattern (see Figure 2) on the evaluation board size of 0.5 in x 0.6 in.	185°C/W
2) The evaluation board with the pad pattern described on Figure 3.	128°C/W
3) Industry standard 1” square pcb with maximum copper both sides.	90°C/W

The results show that a major reduction can be made in the thermal resistance by increasing the copper drain area. In this example, a 57°C/W reduction was achieved without having to increase the size of the board. If increasing board size is an option, a further 38°C/W reduction was obtained by maximizing the copper from the drain on the larger 1” square PCB.

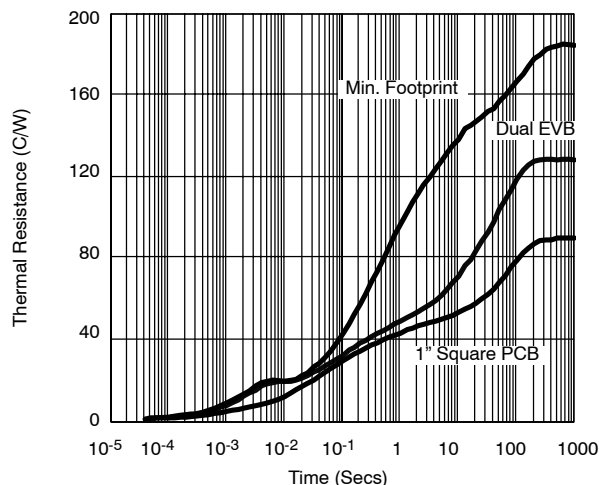


FIGURE 4. Dual 1206-8 ChipFET

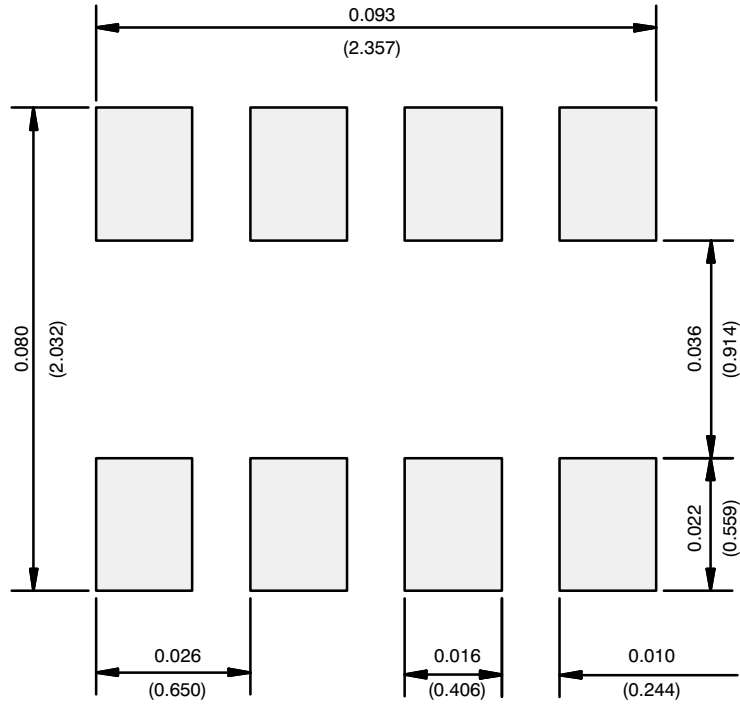
**SUMMARY**

The thermal results for the dual-channel 1206-8 ChipFET package display identical power dissipation performance to the SO-8 with a footprint reduction of 80%. Careful design of the package has allowed for this performance to be achieved. The short leads allow the die size to be maximized and thermal resistance to be reduced within the confines of the TSOP-6 body size.

**ASSOCIATED DOCUMENT**

1206-8 ChipFET Single Thermal performance, AN811, (<http://www.vishay.com/doc?71126>).

## RECOMMENDED MINIMUM PADS FOR 1206-8 ChipFET®



Recommended Minimum Pads  
Dimensions in Inches/(mm)

[Return to Index](#)



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