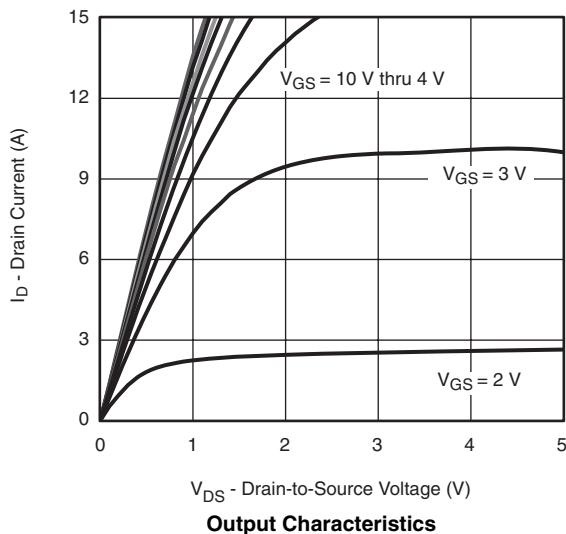
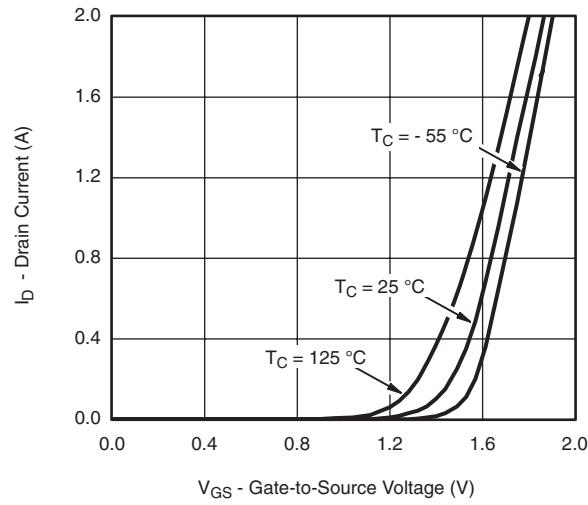
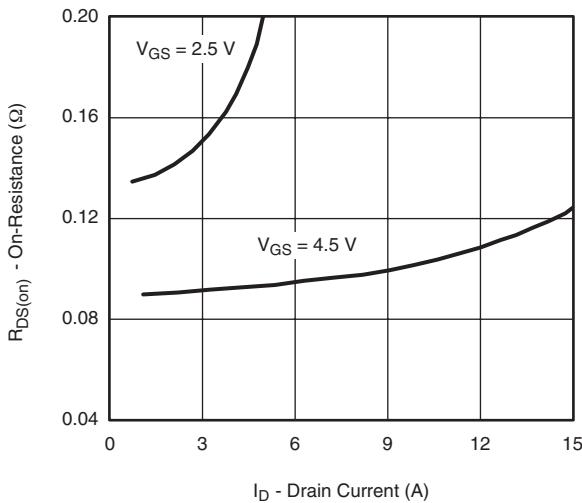
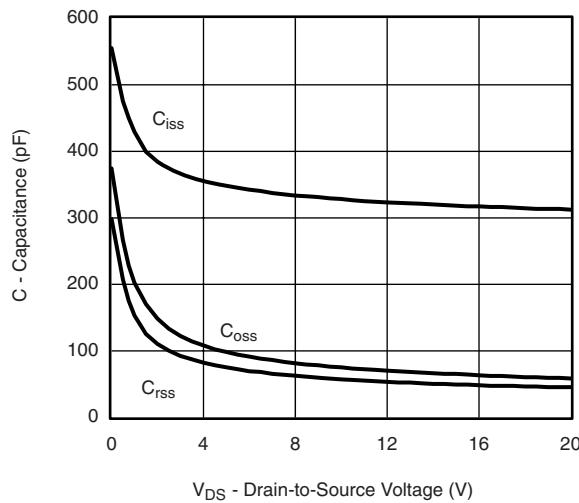
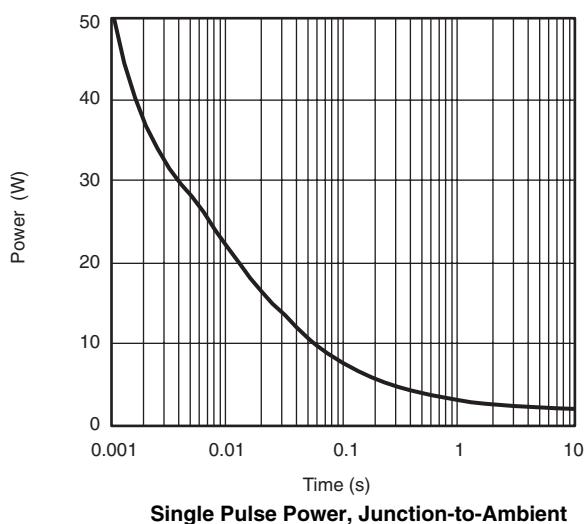
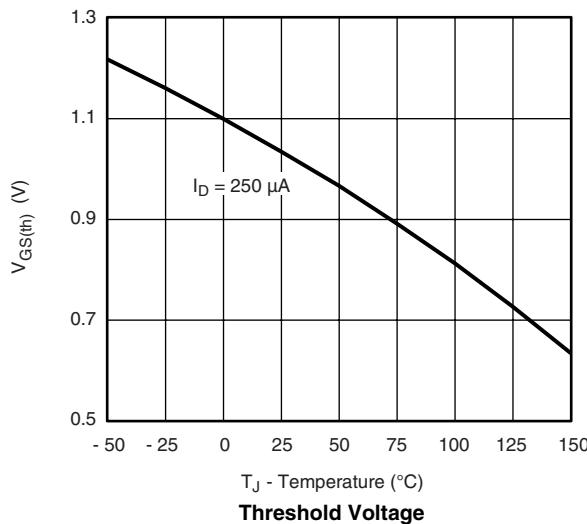
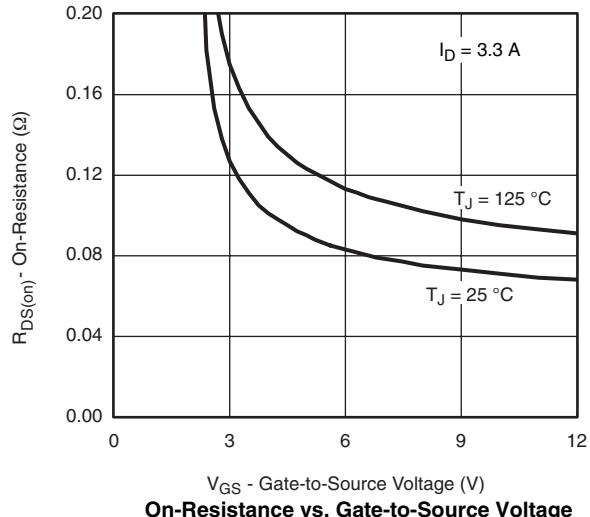
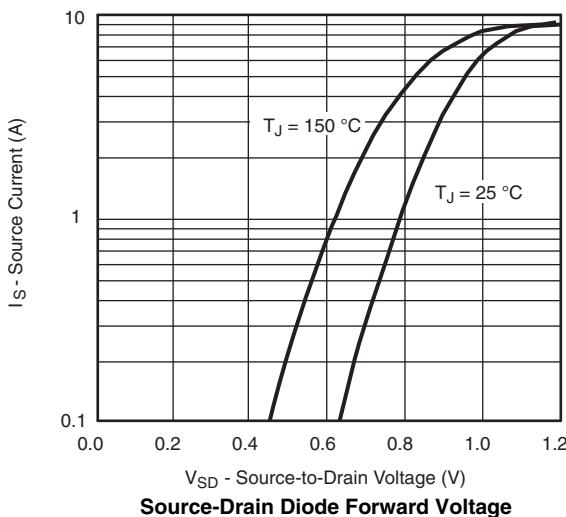
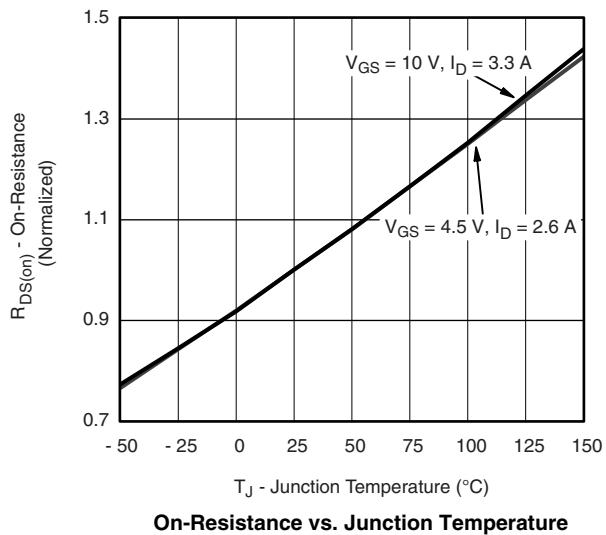
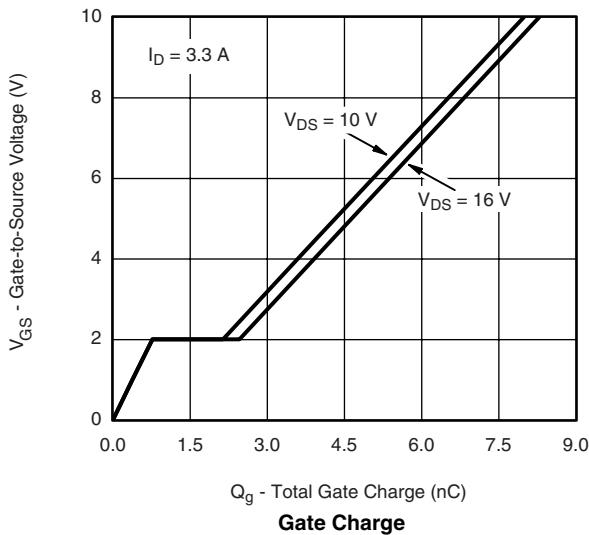


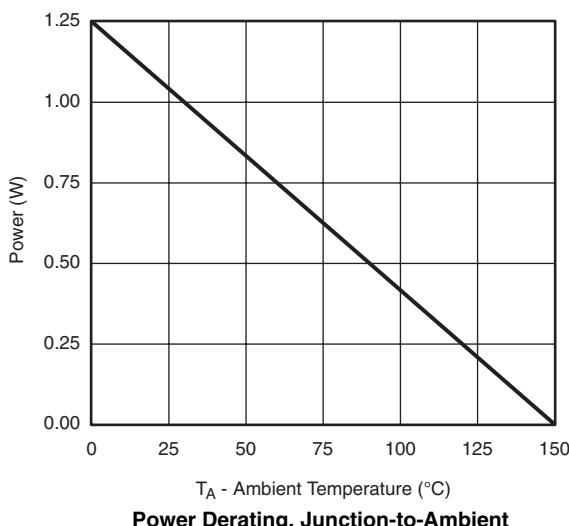
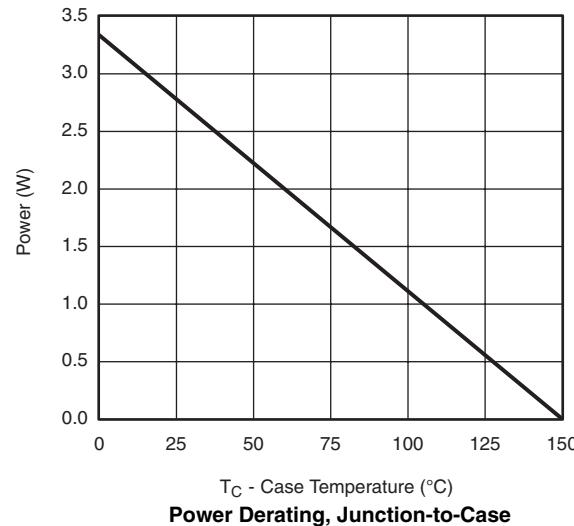
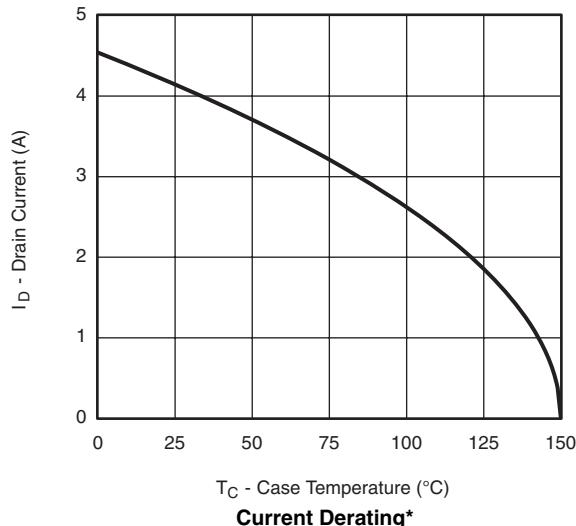
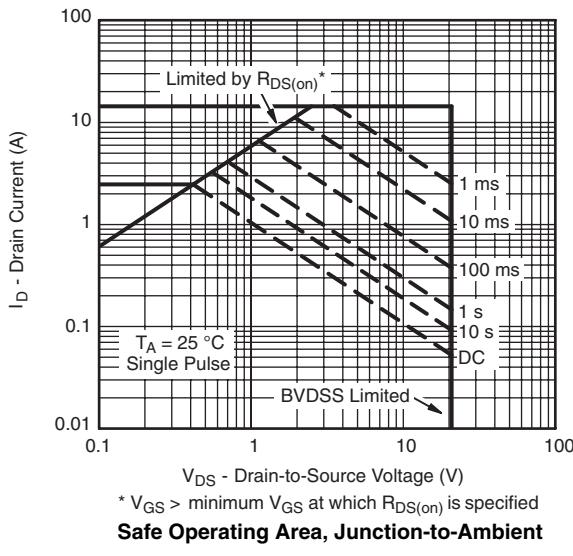
SCHOTTKY SPECIFICATIONS $T_J = 25^\circ\text{C}$, unless otherwise noted

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage Drop	V_F	$I_F = 1 \text{ A}$		0.46	0.50	V
		$I_F = 1 \text{ A}, T_J = 125^\circ\text{C}$		0.41	0.50	
Maximum Reverse Leakage Current	I_{rm}	$V_R = 30 \text{ V}$		0.025	0.1	mA
		$V_R = 30 \text{ V}, T_J = 85^\circ\text{C}$		0.6	6	
		$V_R = 30 \text{ V}, T_J = 125^\circ\text{C}$		5	25	
Junction Capacitance	C_T	$V_R = 15 \text{ V}$		35		pF

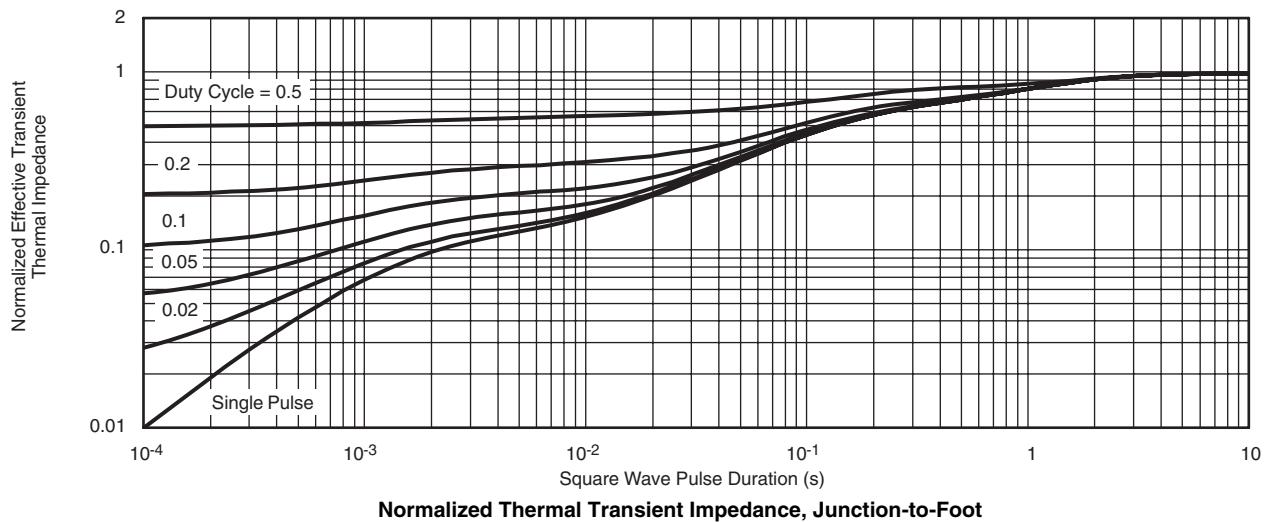
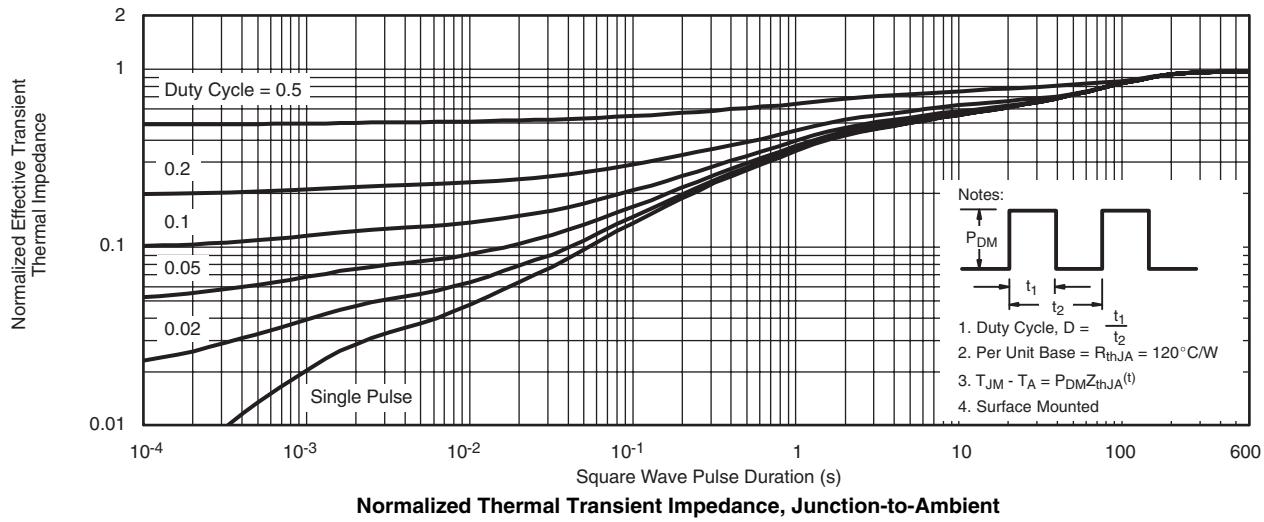
Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure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

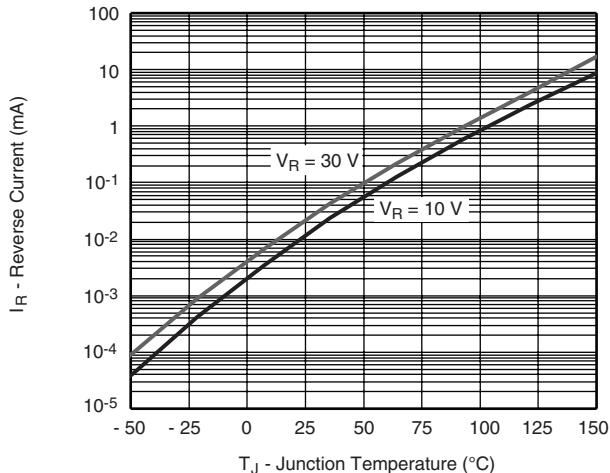
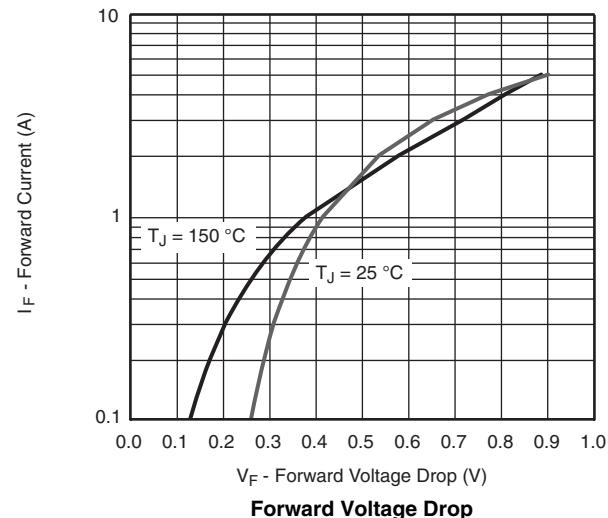
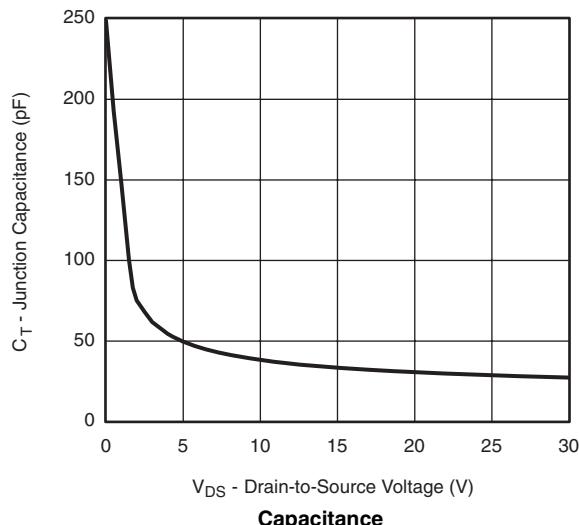
MOSFET TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted

Output Characteristics

Transfer Characteristics

On-Resistance vs. Drain Current and Gate Voltage

Capacitance

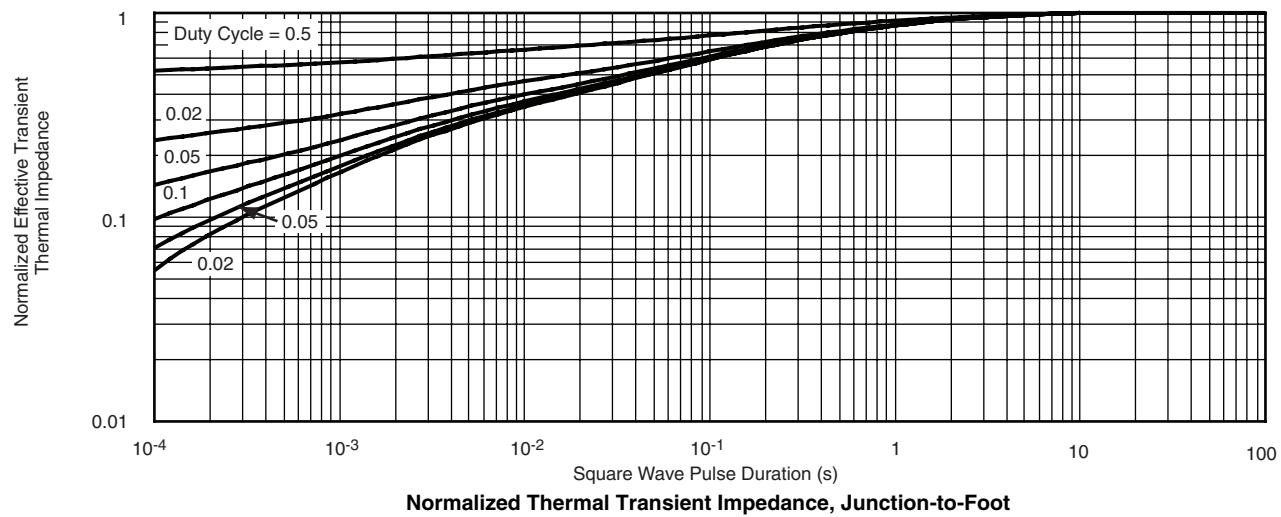
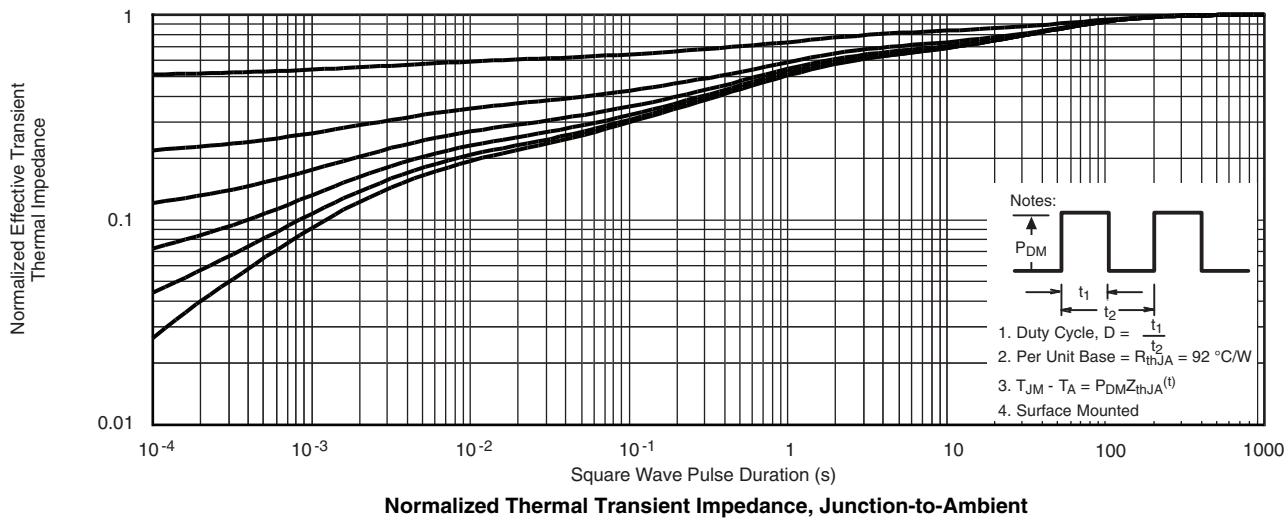
MOSFET TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted

MOSFET TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted


* The power dissipation P_D is based on $T_{J(\max)} = 150^\circ\text{C}$, 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.

MOSFET TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted

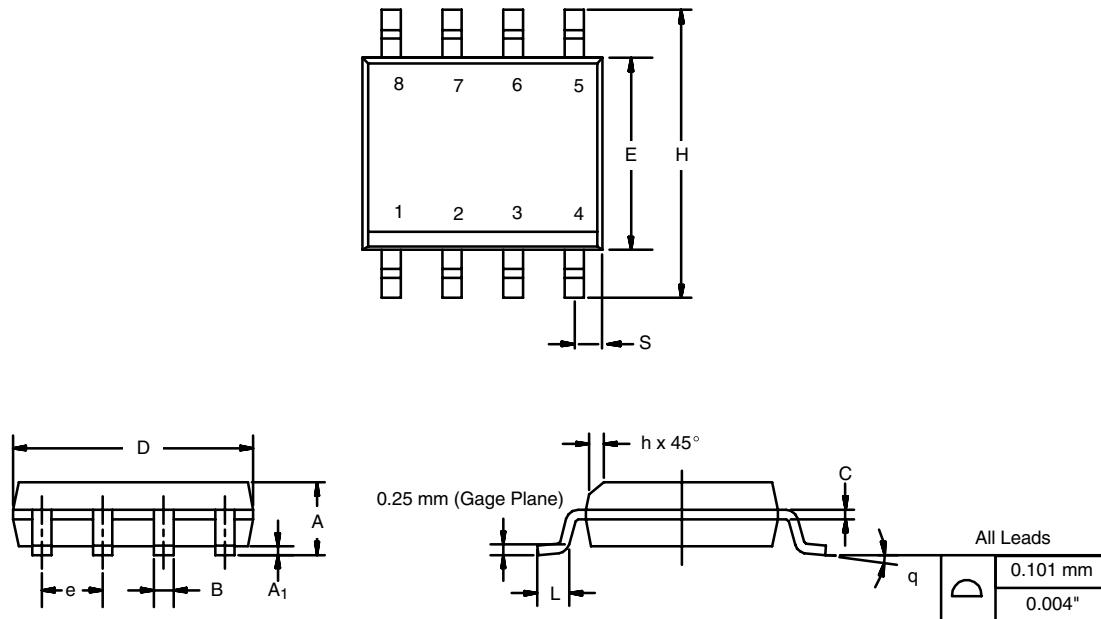
SCHOTTKY TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted

Reverse Current vs. Junction Temperature

Forward Voltage Drop

Capacitance

SCHOTTKY TYPICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$, unless otherwise noted

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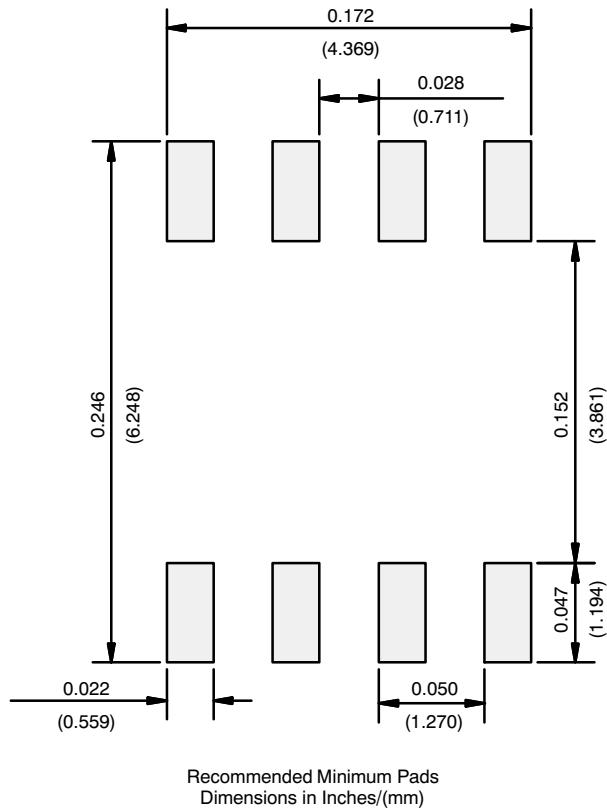
SOIC (NARROW): 8-LEAD

JEDEC Part Number: MS-012



DIM	MILLIMETERS		INCHES	
	Min	Max	Min	Max
A	1.35	1.75	0.053	0.069
A ₁	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



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