

DESCRIPTION

ABSOLUTE MAXIMUM RATINGS °C

Parameter		Symbol	Typical	Unit
°C	°C			
	°C			
				°C
				°C
		θ		°C

ELECTRICAL CHARACTERISTICS °C

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Static						
	°C					
						Ω

TYPICAL CHARACTERISTICS

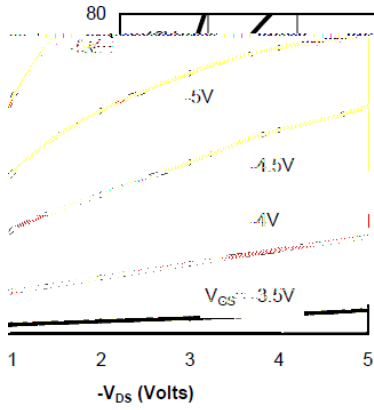


Figure 1: On-Region Characteristics

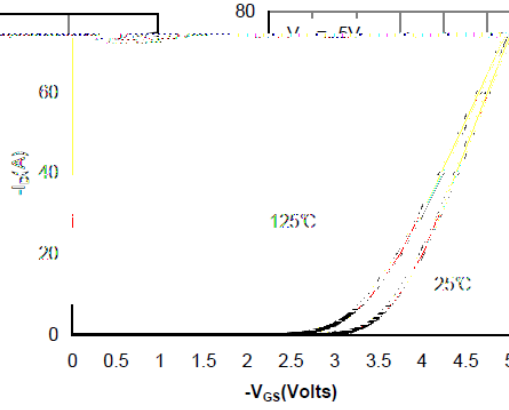


Figure 2: Transfer Characteristics

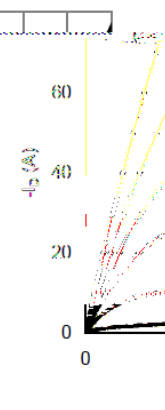


Figure 3

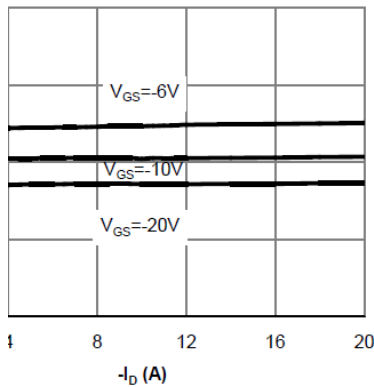


Figure 4: On-Resistance vs. Junction Temperature

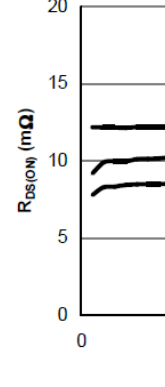


Figure 5

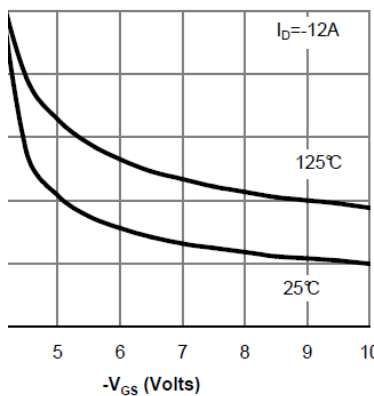


Figure 6: Body-Diode Characteristics

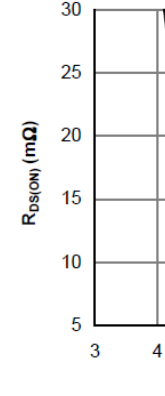


Figure 7

TYPICAL CHARACTERISTICS

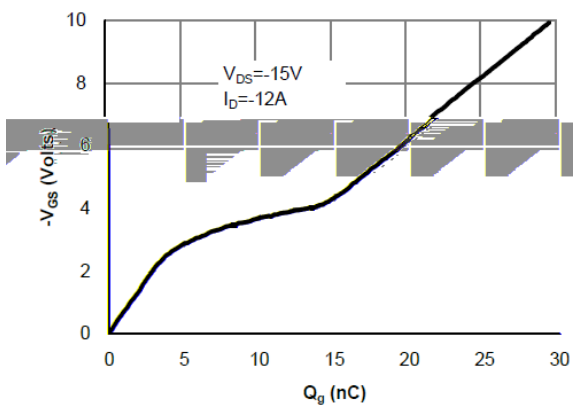


Figure 7: Gate-Charge Characteristics

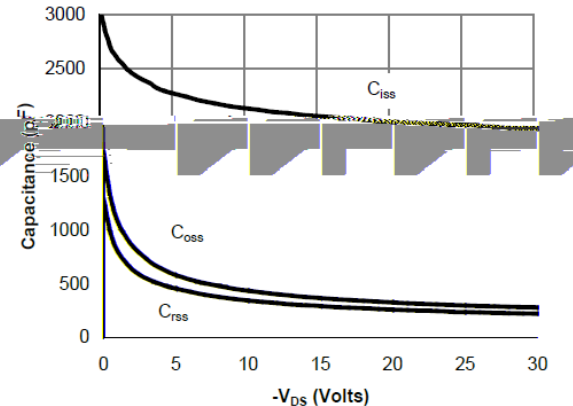


Figure 8: Capacitance Characteristics

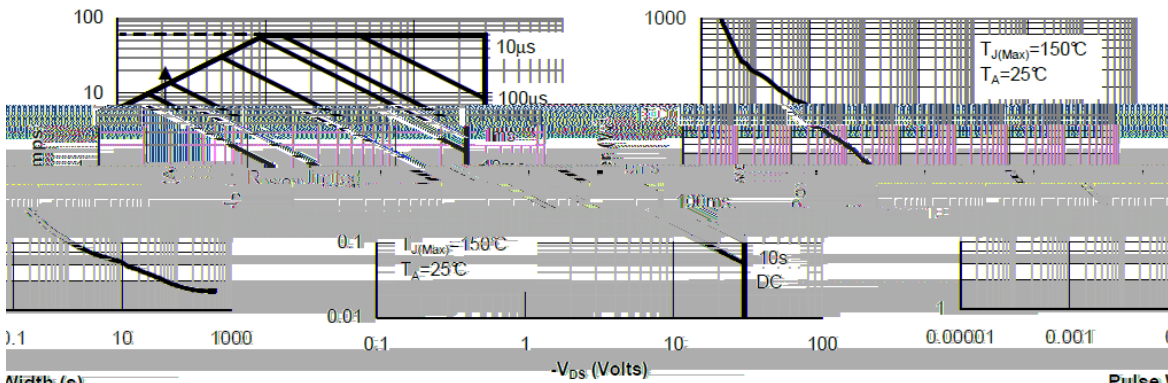


Figure 9: Maximum Forward Biased-Safe Operating Area (Note E)

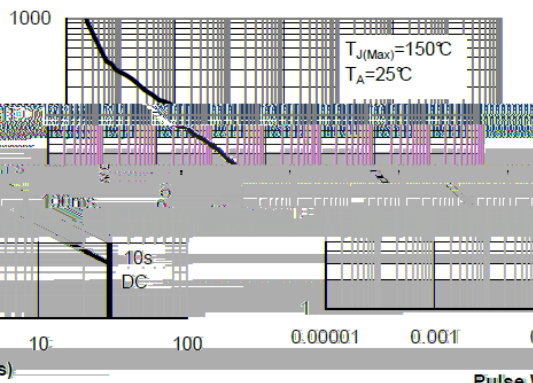


Figure 10: Single Pulse to-Ambient

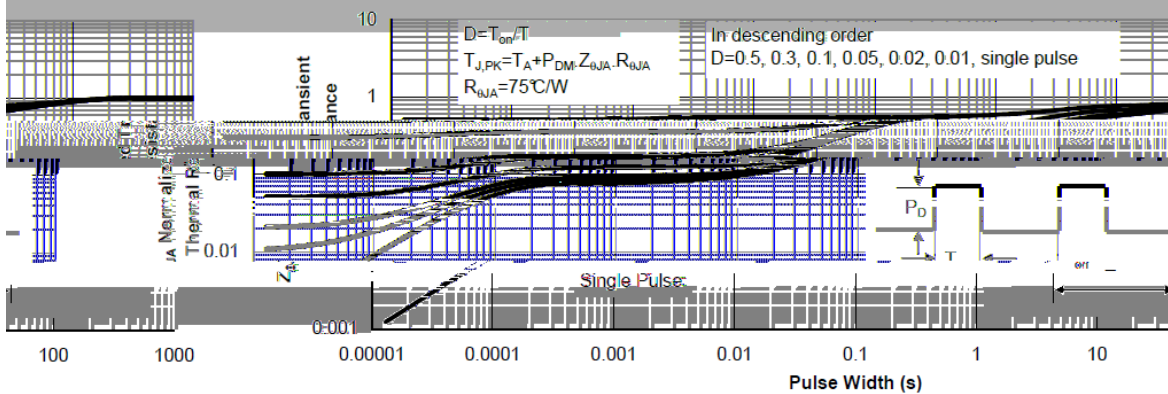
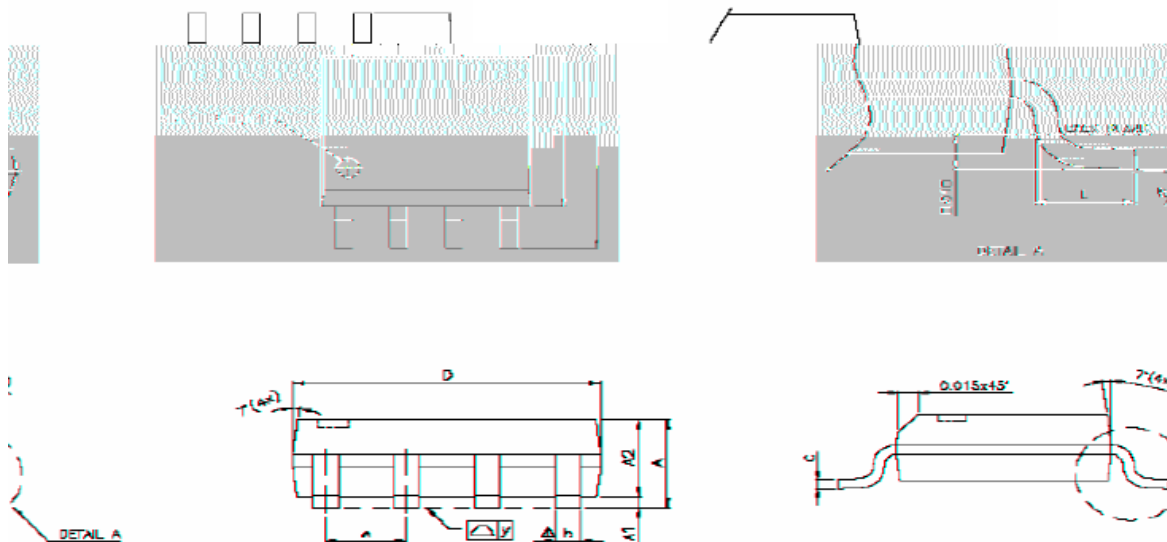


Figure 11: Normalized Maximum Transient Thermal Impedance (Note E)

PACKAGE OUTLINE SOP-8P



SYMBOLS	DIMENSIONS IN MILLIMETERS			DIMENSIONS IN INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	1.47	1.60	1.73	0.058	0.063	0.068
0.010	A1	0.10	—	0.25	0.004	—
—	A2	—	1.45	—	—	0.057
0.015	0.025	0.07	0.10	0.001	0.001	0.004
0.015	0.025	0.07	0.10	0.001	0.001	0.004
0.01	0.015	—	D	4.80	4.85	4.95
0.03	0.04	—	E	7.80	7.85	7.95
0.124	0.157	—	F	8.50	8.55	8.65
0.050	—	—	e	—	1.27	—
0.028	0.050	—	L	0.38	0.71	1.27
—	0.005	—	Δ y	—	—	0.076
—	8°	—	8°	0°	—	0°