

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

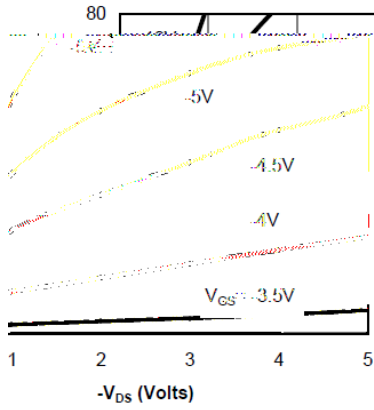


Figure 1: On-Region Characteristics

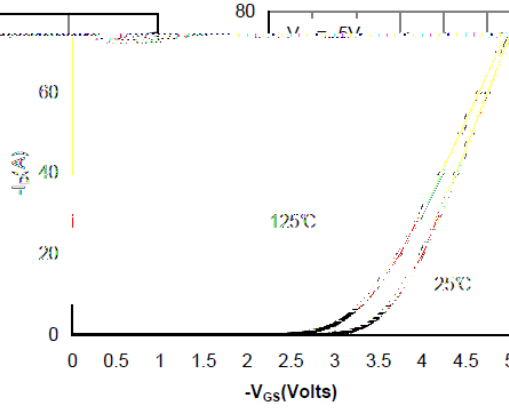


Figure 2: Transfer Characteristics

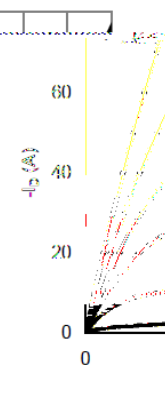


Figure 3

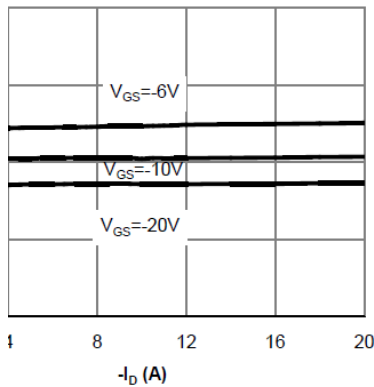


Figure 4: On-Resistance vs. Junction Temperature

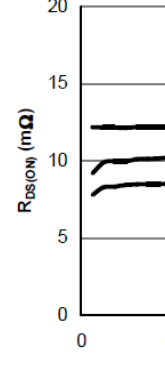


Figure 5

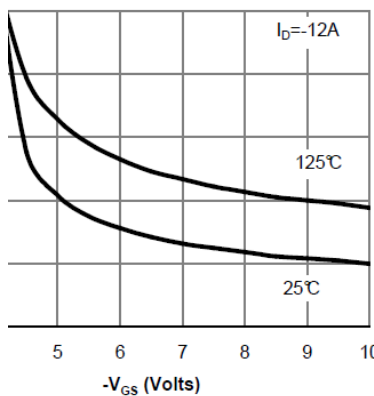


Figure 6: Body-Diode Characteristics

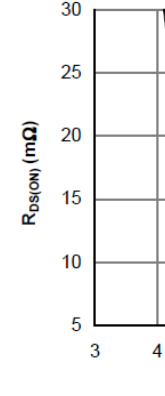


Figure 7

TYPICAL CHARACTERISTICS

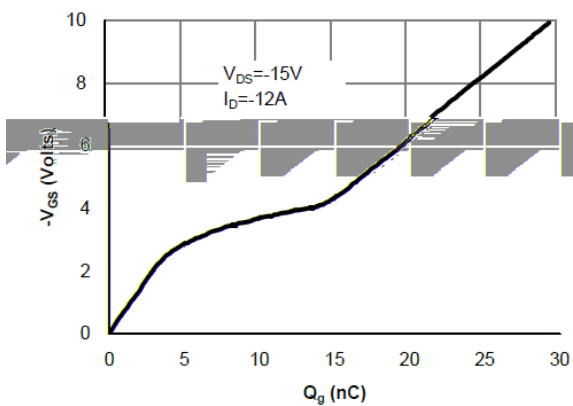


Figure 7: Gate-Charge Characteristics

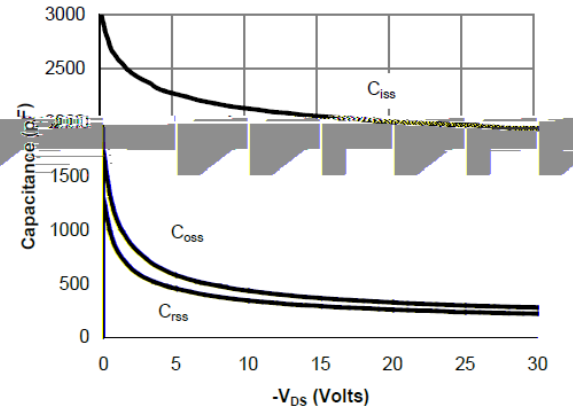


Figure 8: Capacitance Characteristics

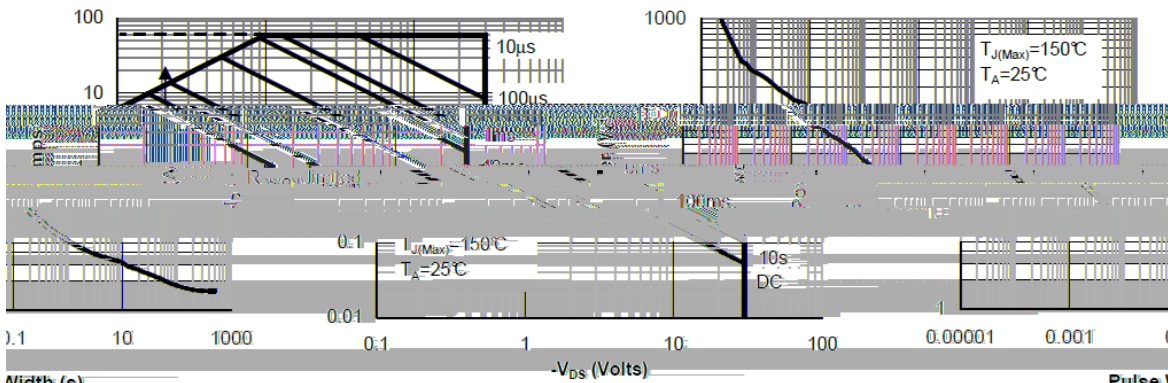


Figure 9: Maximum Forward Biased-Safe Operating Area (Note E)

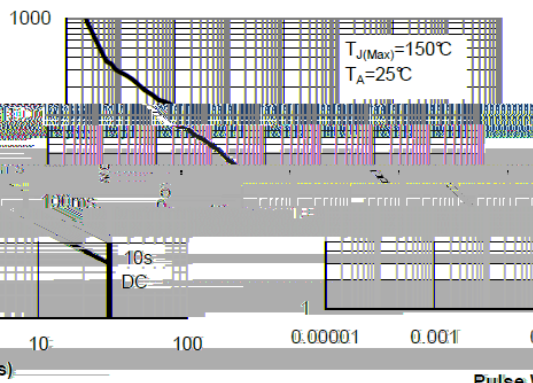


Figure 10: Single Pulse to-Ambient

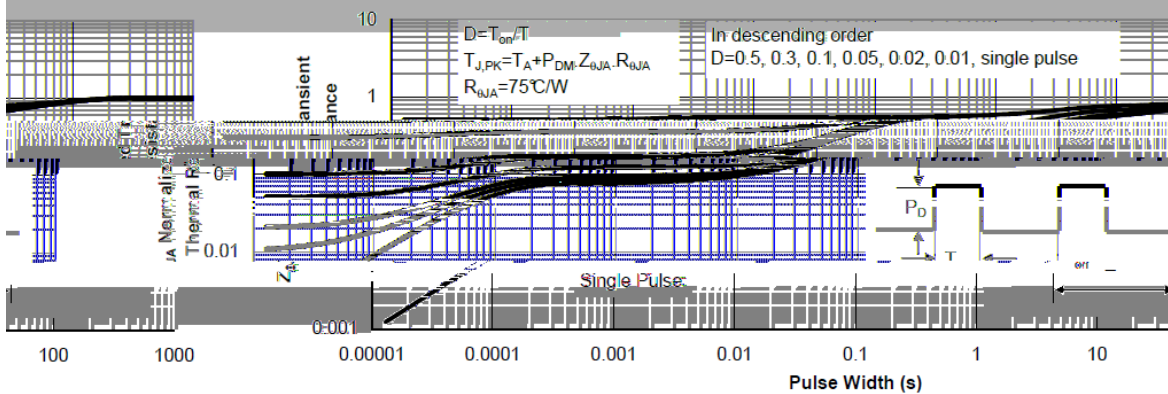
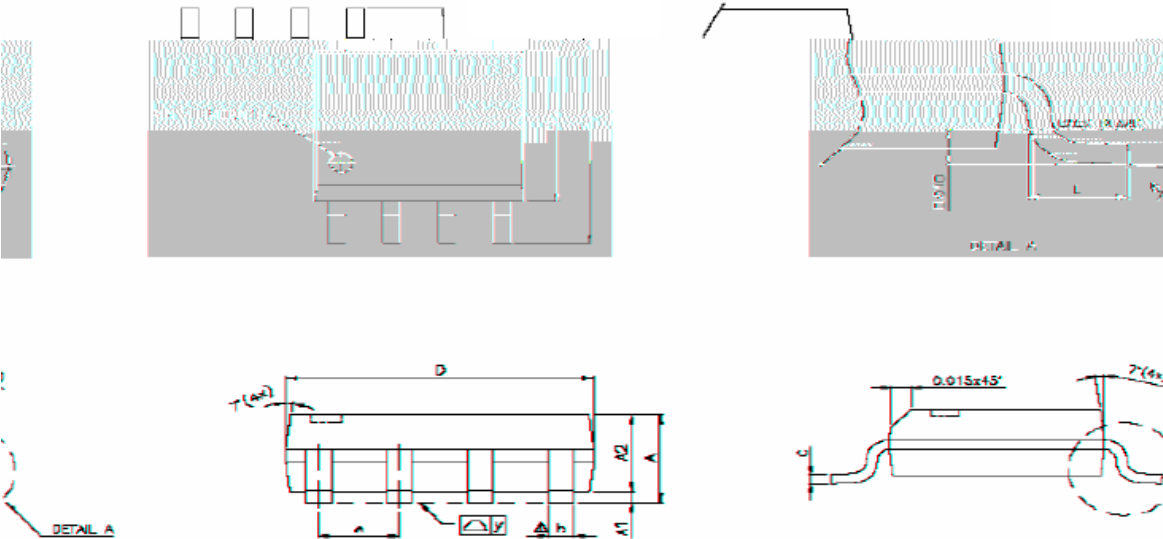


Figure 11: Normalized Maximum Transient Thermal Impedance (Note E)

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	0.069
0.010	A1	0.10	—	0.25	0.004	—
—	A2	—	1.45	—	—	0.057
0.010	0.025	0.07	0.15	0.004	0.003	0.006
0.025	0.075	—	0.15	0.004	0.003	0.006
0.010	0.105	—	—	—	—	—
0.025	0.044	—	D	0.20	0.008	0.008
0.124	0.157	—	E	6.20	0.25	0.25
0.050	—	—	F	6.20	1.27	0.25
0.028	0.250	—	G	0.25	0.010	0.010
—	0.203	—	H	—	—	—
—	8°	—	I	—	—	—
—	—	—	J	—	—	—
—	—	—	K	—	—	—
—	—	—	L	0.38	0.71	0.015
—	—	—	M	—	—	—
—	—	—	N	—	—	—
—	—	—	O	—	—	—
—	—	—	P	—	—	—
—	—	—	Q	—	—	—
—	—	—	R	—	—	—
—	—	—	S	—	—	—