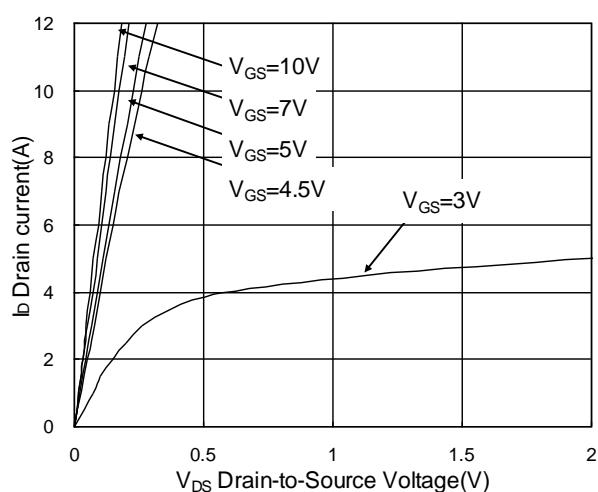
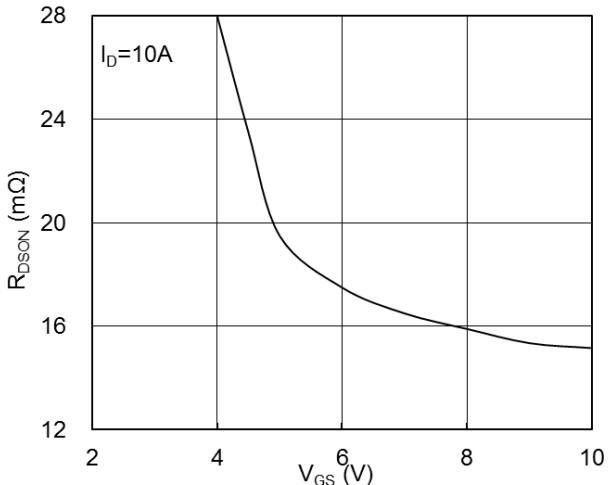
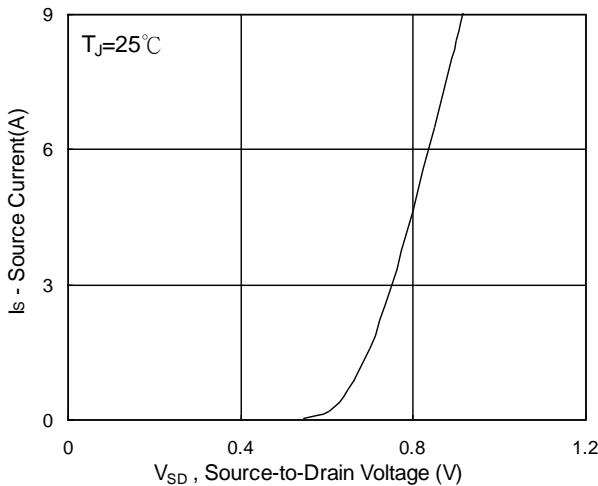
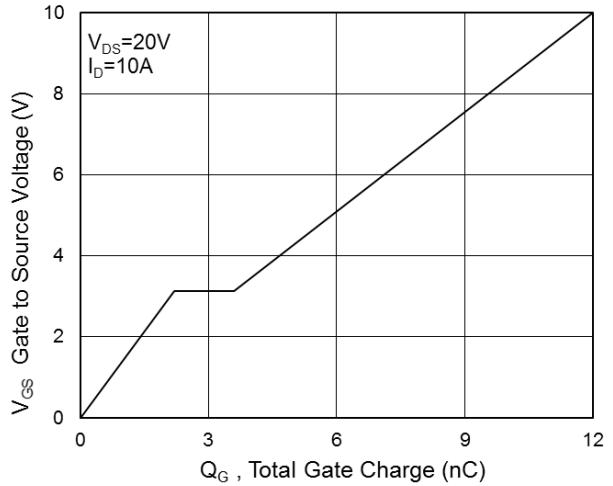
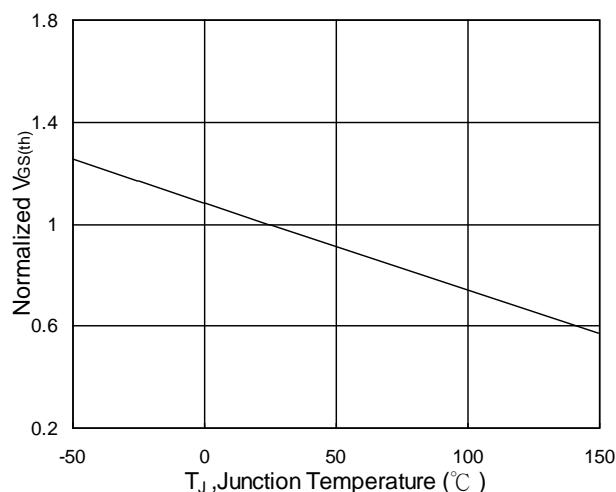
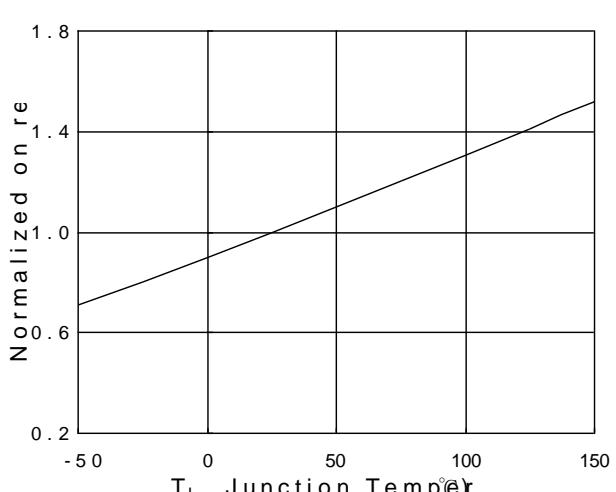


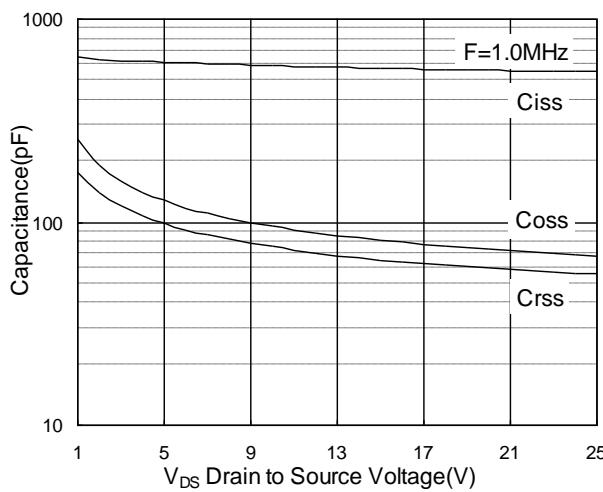




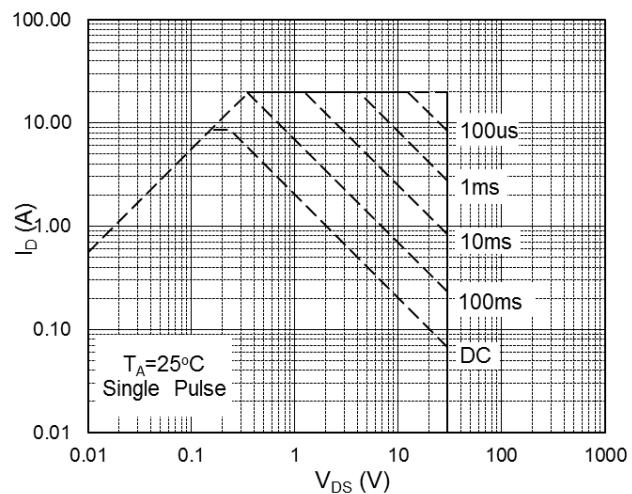


**Ratings and Characteristic Curves**
**N-Channel Typical Characteristics**

**Fig.1 Typical Output Characteristics**

**Fig.2 On-Resistance vs Gate-Source Voltage**

**Fig.3 Forward Characteristics of Reverse**

**Fig.4 Gate-Charge characteristics**

**Fig.5 Normalized V\_GS(th) vs T\_J**

**Fig.6 Normalized R\_DS(on) vs T\_J**

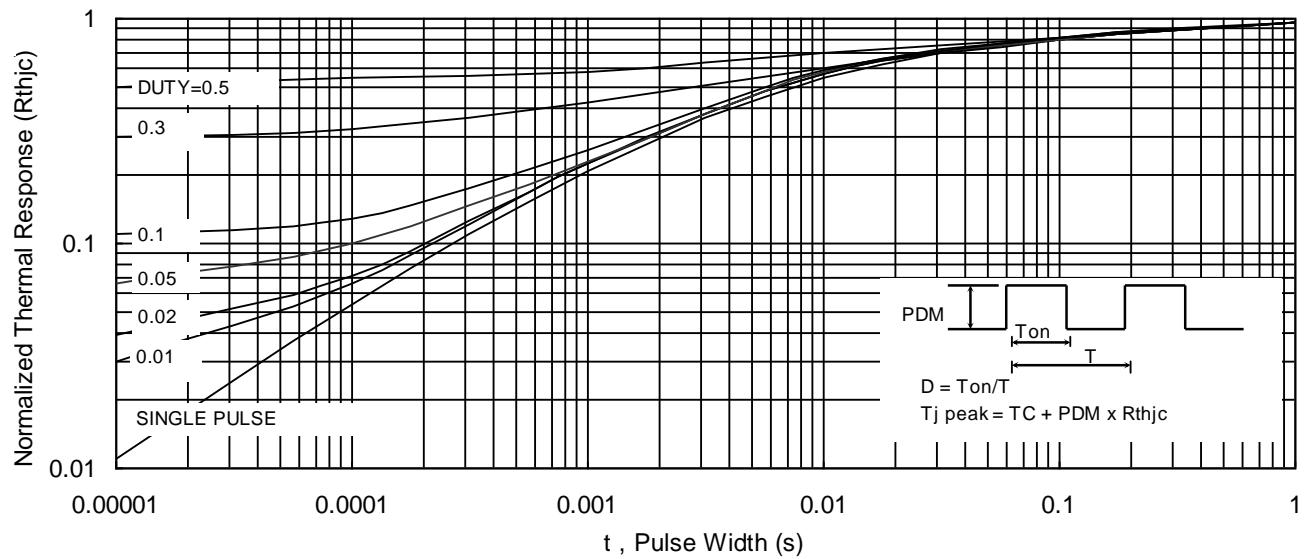
**Ratings and Characteristic Curves**



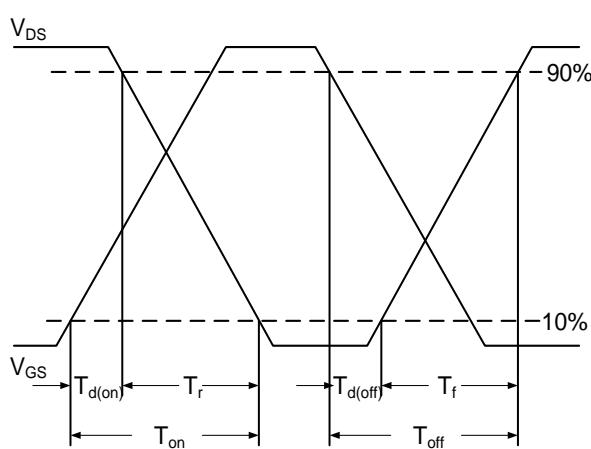
**Fig.7 Capacitance**



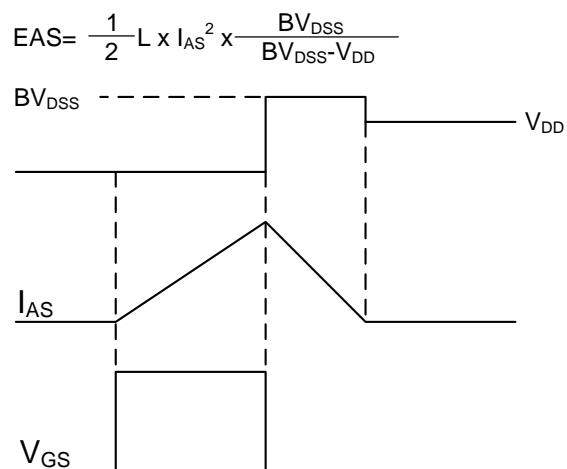
**Fig.8 Safe Operating Area**



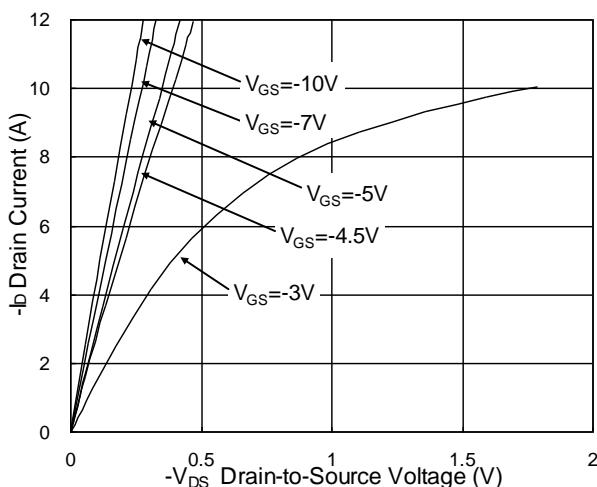
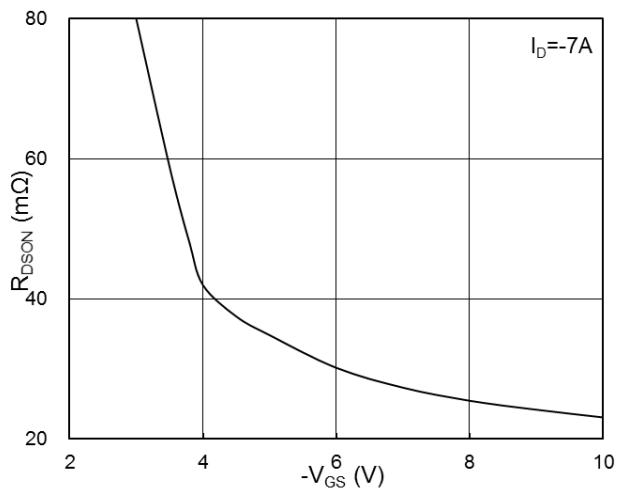
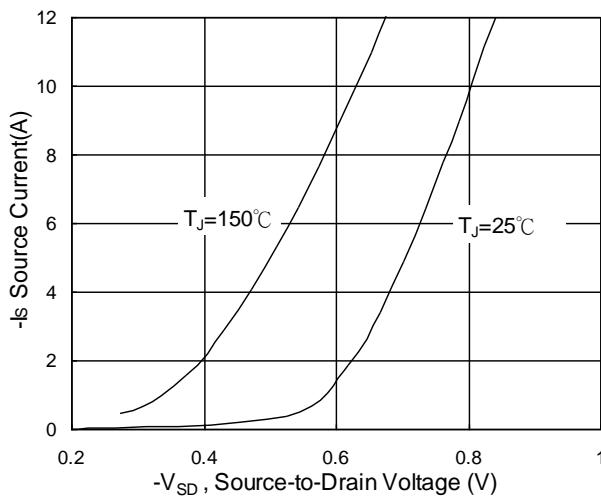
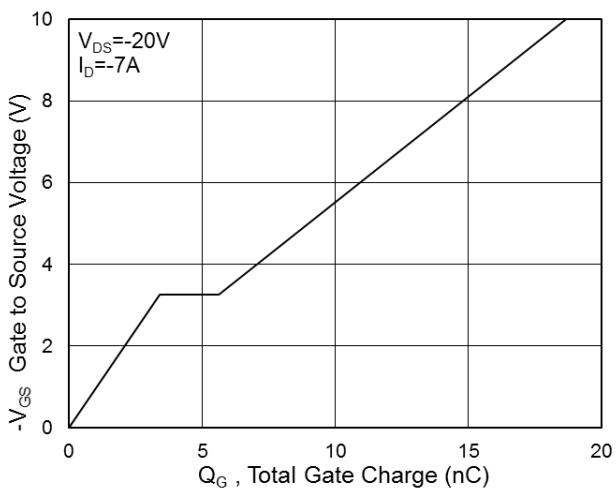
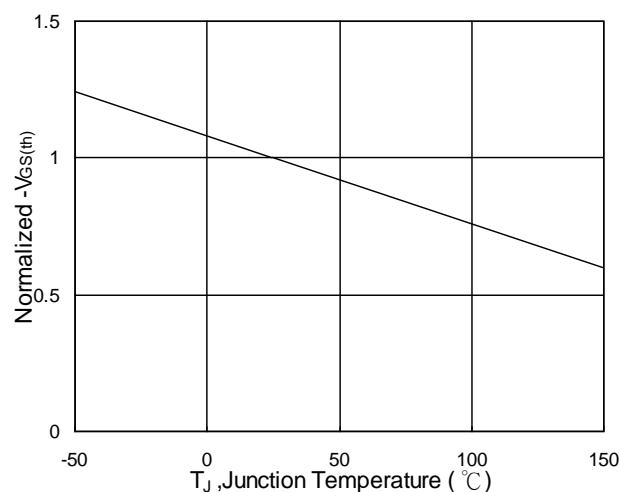
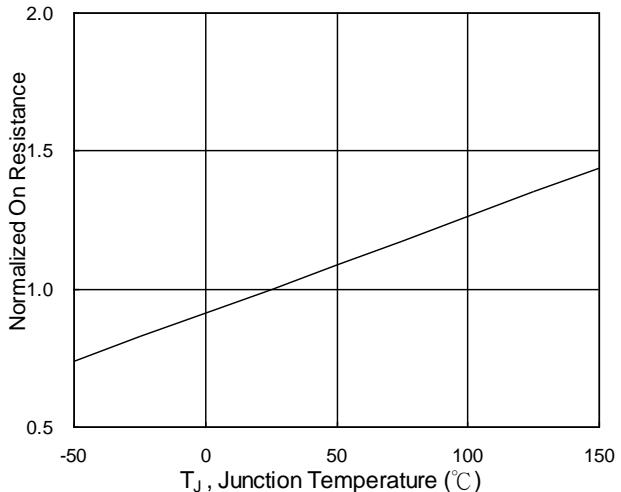
**Fig.9 Normalized Maximum Transient Thermal Impedance**



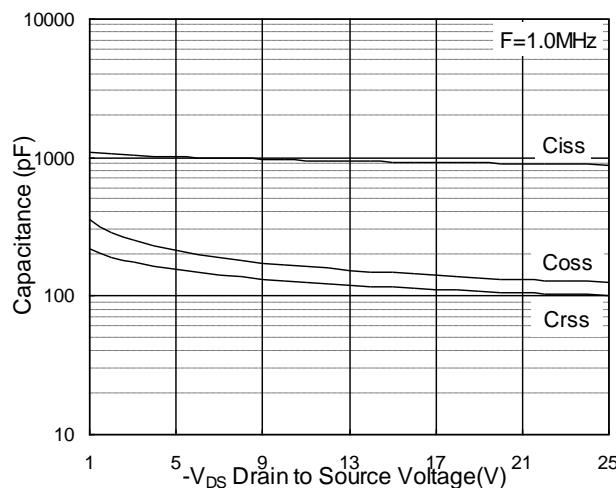
**Fig.10 Switching Time Waveform**



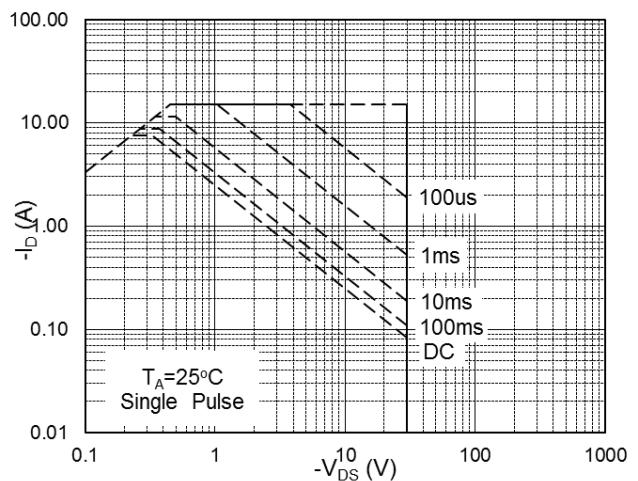
**Fig.11 Unclamped Inductive Waveform**

**Ratings and Characteristic Curves****P-Channel Typical Characteristics****Fig.1 Typical Output Characteristics****Fig.2 On-Resistance vs Gate-Source Voltage****Fig.3 Forward Characteristics of Reverse****Fig.4 Gate-Charge Characteristics****Fig.5 Normalized V<sub>GS(th)</sub> vs T<sub>J</sub>****Fig.6 Normalized R<sub>DSON</sub> vs T<sub>J</sub>**

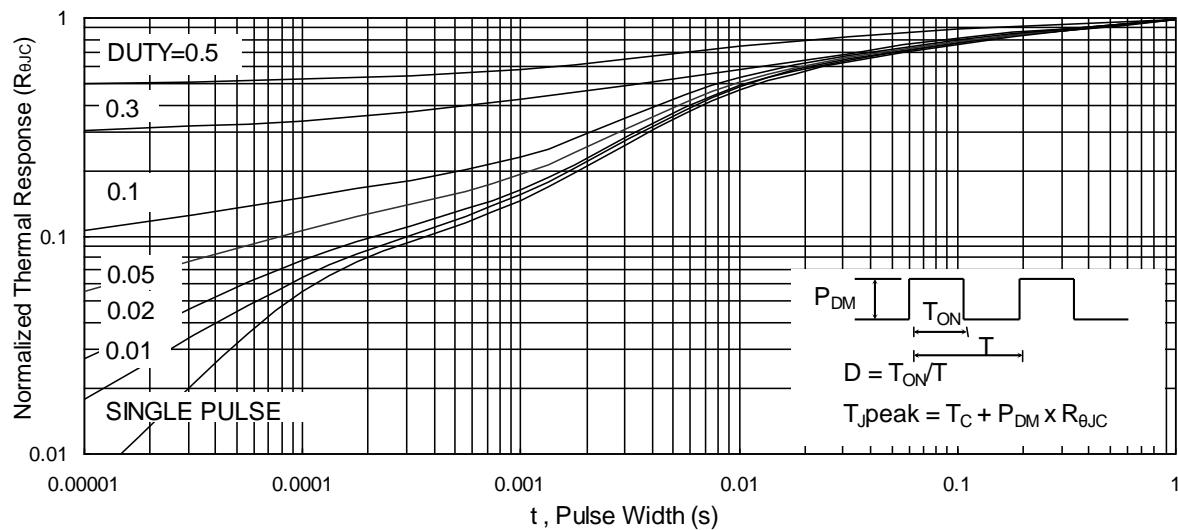
**Ratings and Characteristic Curves**



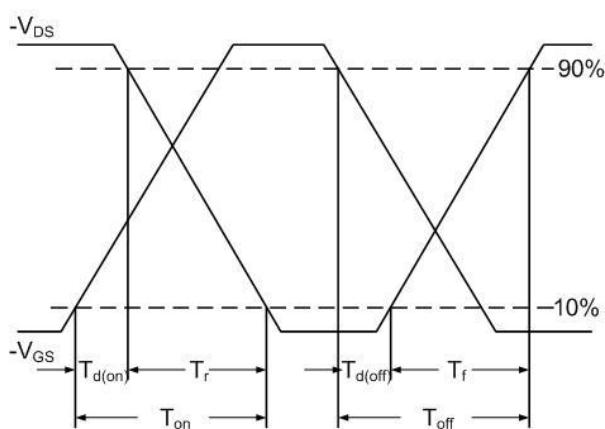
**Fig.7 Capacitance**



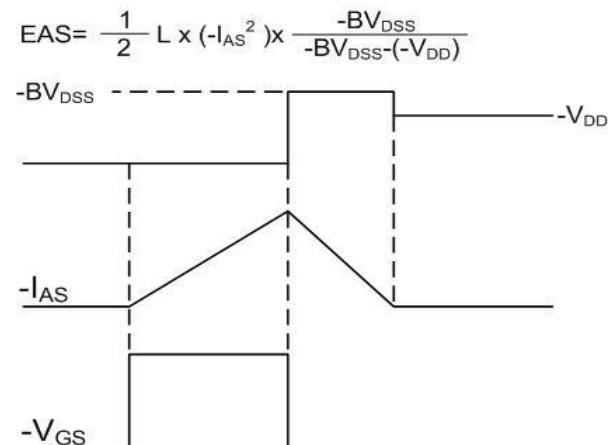
**Fig.8 Safe Operating Area**



**Fig.9 Normalized Maximum Transient Thermal Impedance**



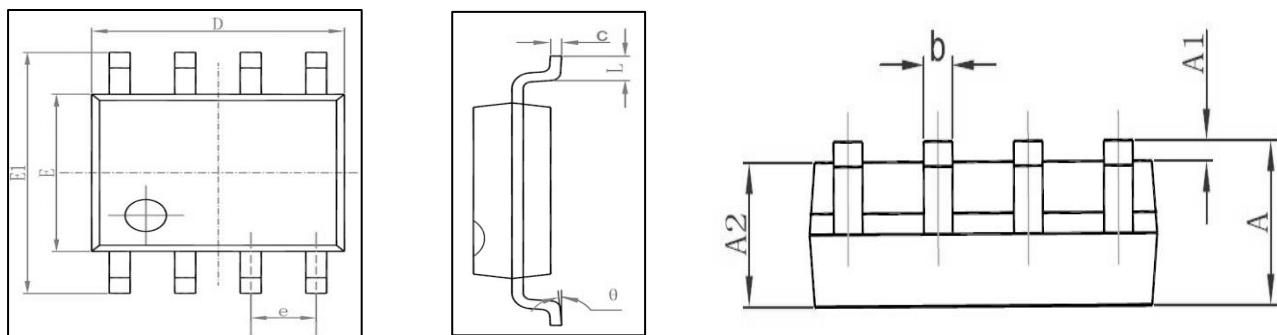
**Fig.10 Switching Time Waveform**



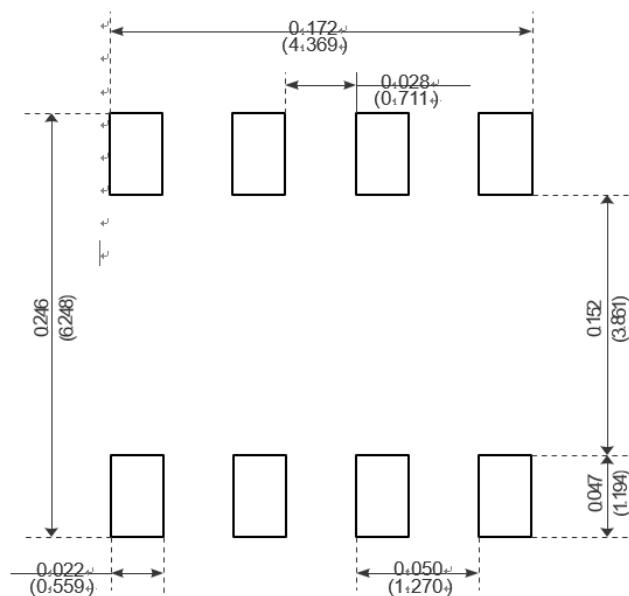
**Fig.11 Unclamped Inductive Waveform**

**Package Outline Dimensions Millimeters**

**SOP-8**



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.350	1.750	0.053	0.069
A1	0.100	0.250	0.004	0.010
A2	1.350	1.550	0.053	0.061
b	0.330	0.510	0.013	0.020
c	0.170	0.250	0.006	0.010
D	4.700	5.100	0.185	0.200
E	3.800	4.000	0.150	0.157
E1	5.800	6.200	0.228	0.244
e	1.270 (BSC)		0.050 (BSC)	
L	0.400	1.270	0.016	0.050
θ	0°	8°	0°	8°



Recommended Minimum Pads