/ Descriptions

SOP-8 N MOS N-Channel in a SOP-8 Plastic Package.

/ Features

$R_{DS\ ON}$ RoHS

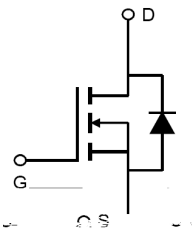
Low $R_{DS(ON)}$, Low Gate Charge, Optimized for fast-switching, RoHS and Halogen-Free Compliant.

/ Applications

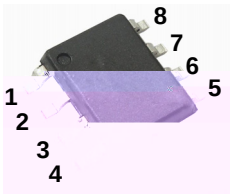
DC/DC AC/DC /

Synchronus Rectification in DC/DC and AC/DC Converters, Isolated DC/DC Converters in Telecom and Industrial.

/ Equivalent Circuit



/ Pinning



PIN1:S PIN 2:S PIN 3 S PIN 4 G

PIN5 PIN 6 PIN 7 PIN 8:D

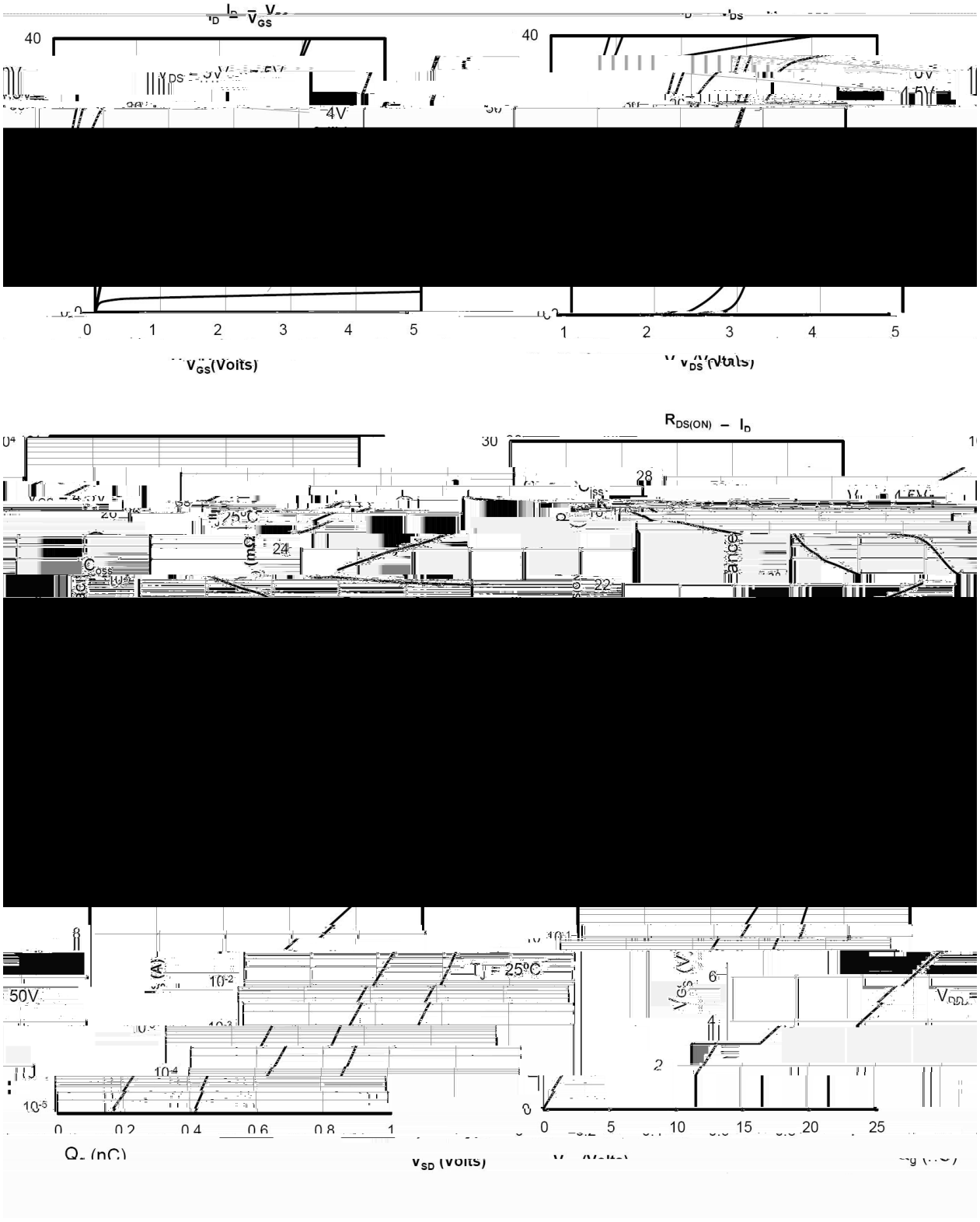
/ h_{FE} Classifications & Marking

See Marking Instructions.

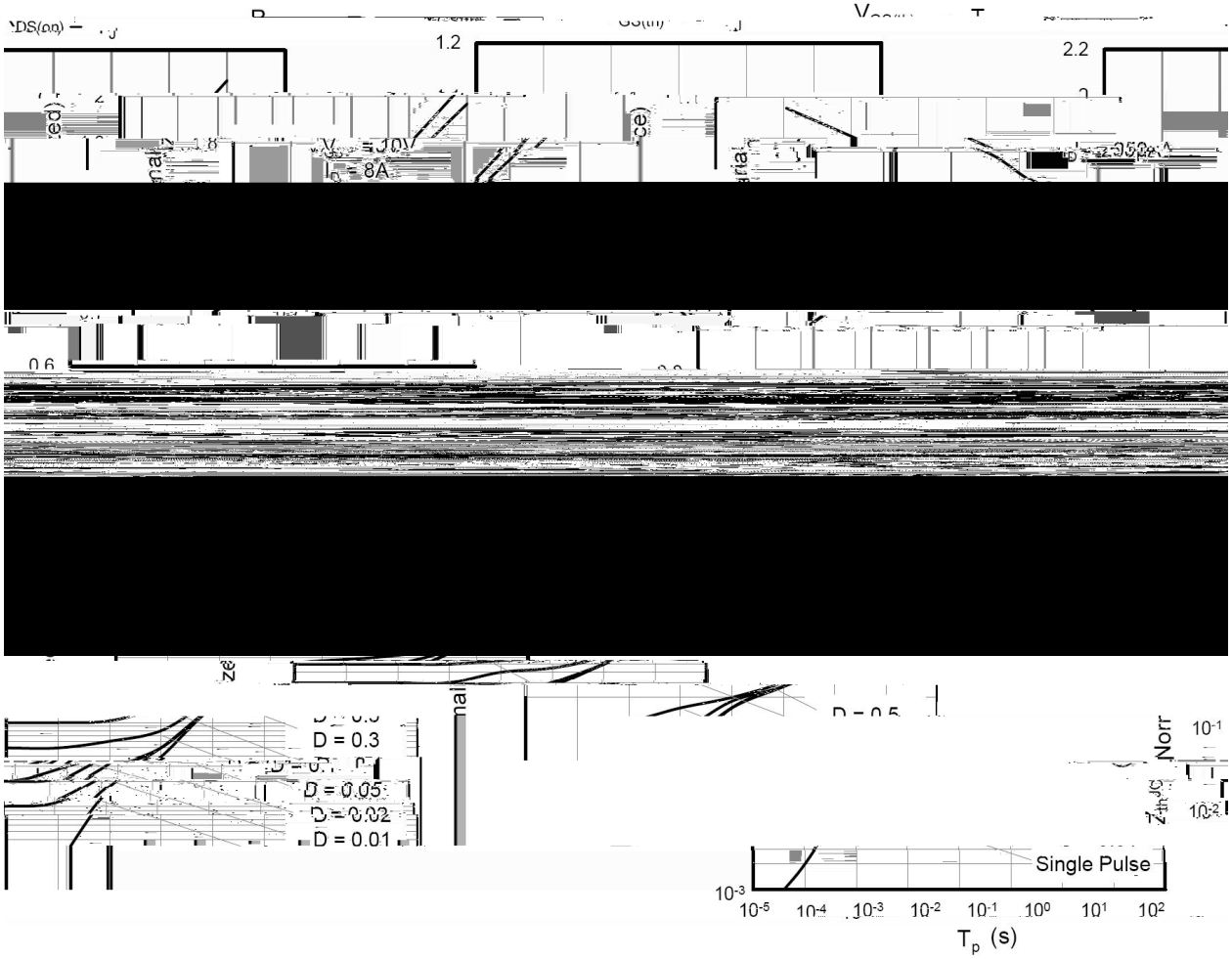
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



/ Test Circuit & Waveform

Figure A: Gate Charge Test Circuit and Waveform.

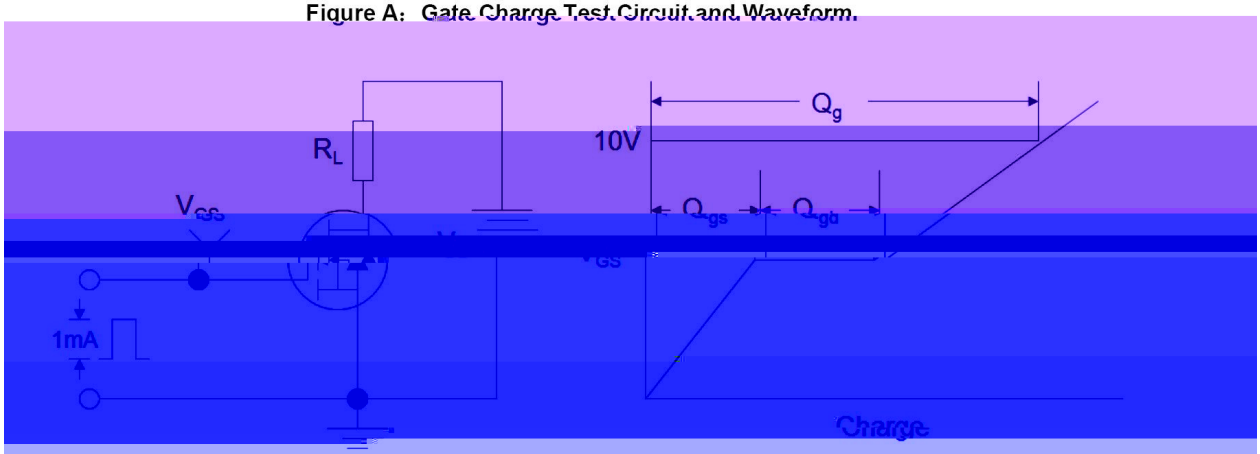


Figure B: Resistive Switching Test Circuit and Waveform

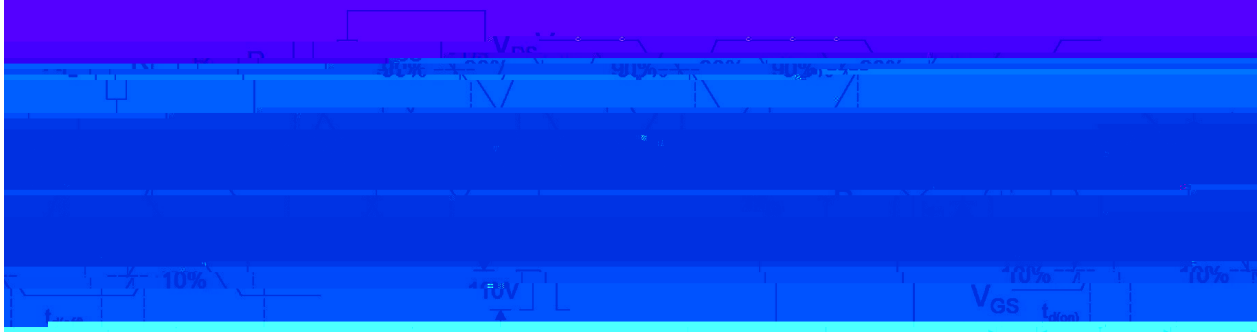
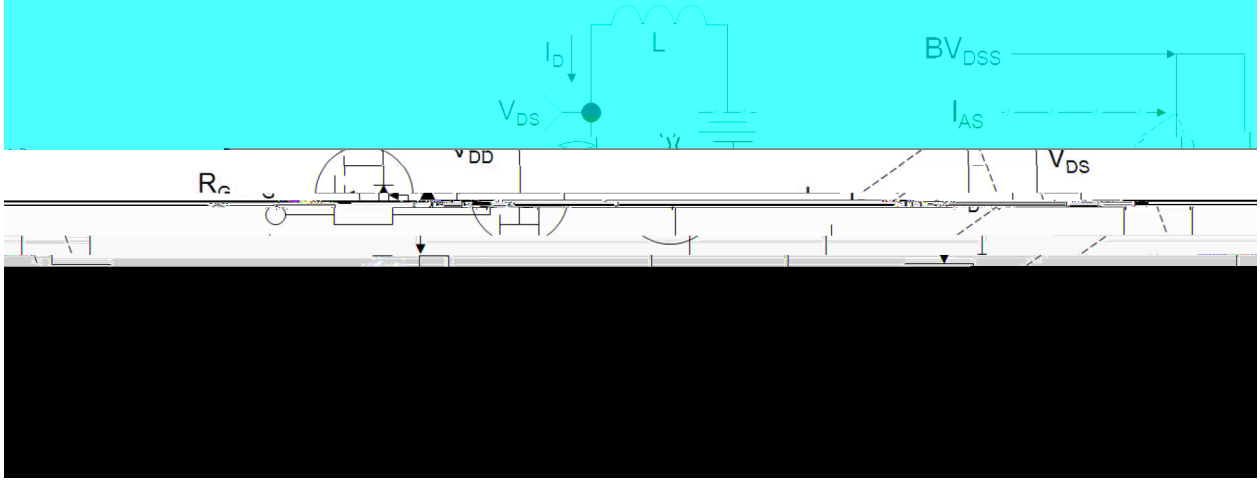
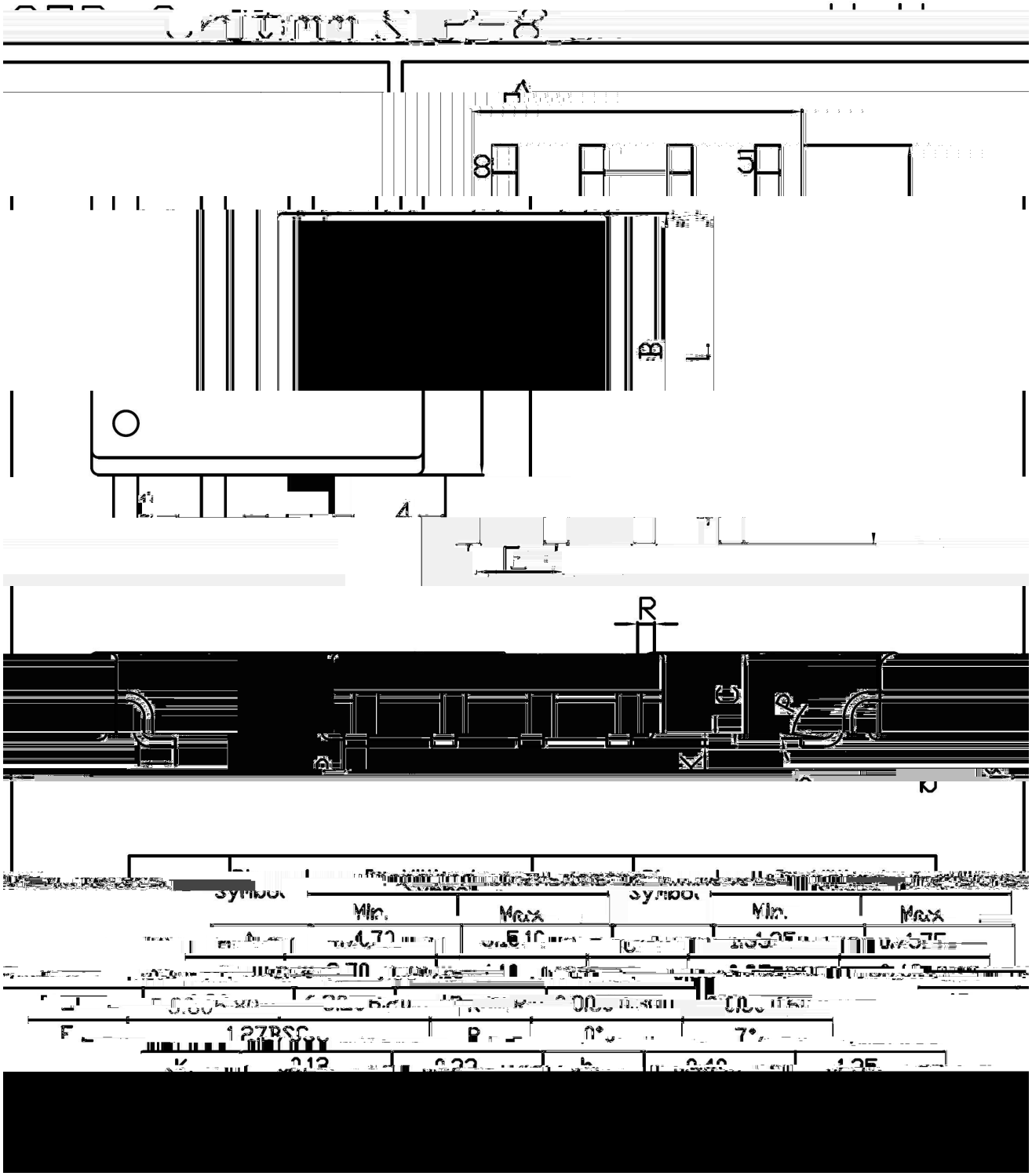


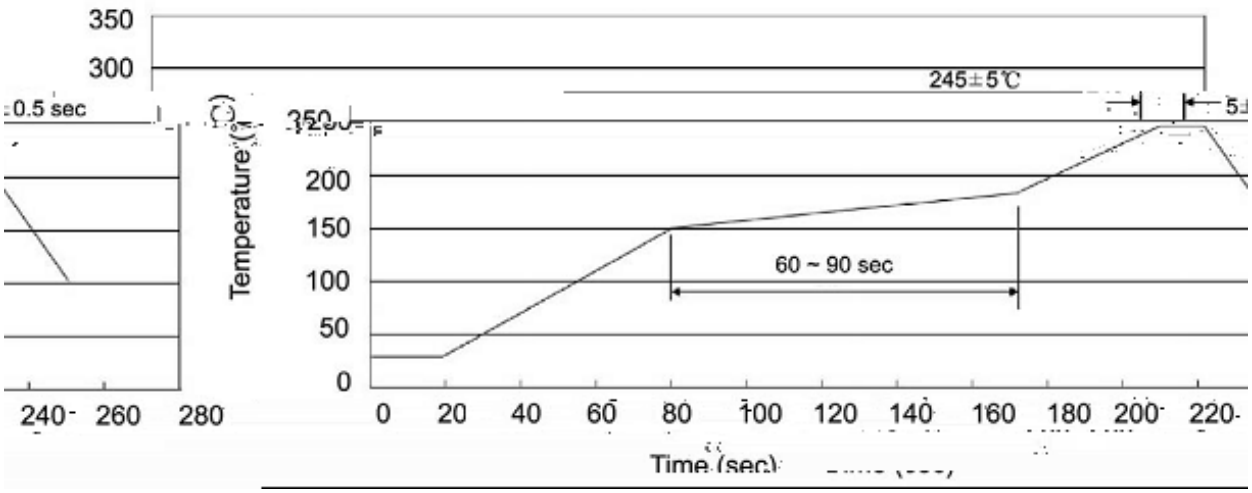
Figure C: Unclamped Inductive Switching Test Circuit and Waveform



/ Package Dimensions



( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

1	150 180	60 90sec;	1.Preheating:150~180 , Time:60~90sec.
2	245±5	5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3	2 10 /sec.		3. Cooling Sp.7(T)10744000874068a93960t30 T4 02 0 TD0

260±5 10±1 sec.

/ Packaging SPEC.

/ REEL

)

Units/Reel
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