

/ Descriptions

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/ Features

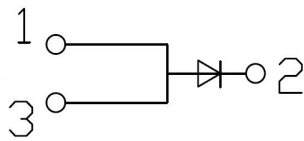
AEC-Q101

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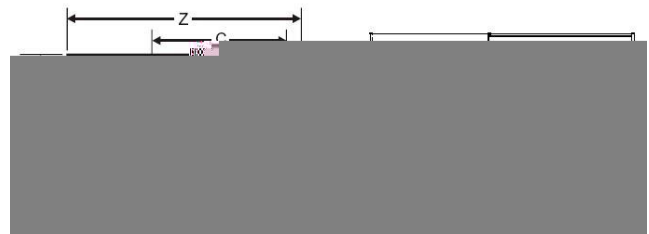
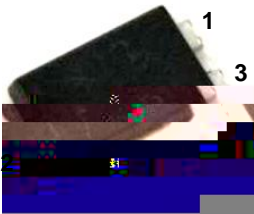
/ Applications

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/ Equivalent Circuit



/ Pinning



/ Marking

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/ Absolute Maximum Ratings(Ta=25)

Symbol	Parameter	Unit	Value
V_{DS}	Drain-Source Voltage	V	100
V_{GS}	Gate-Source Voltage	V	±20
I_{DM}	Drain Current (DC)	A	10
I_{RM}	Drain Current (Pulse)	A	10
I_{SM}	Source Current (Pulse)	A	10
T_{jmax}	Junction Temperature	°C	150
T_{stg}	Storage Temperature	°C	-55 ~ 150

/ Electrical Characteristics(Ta=25)

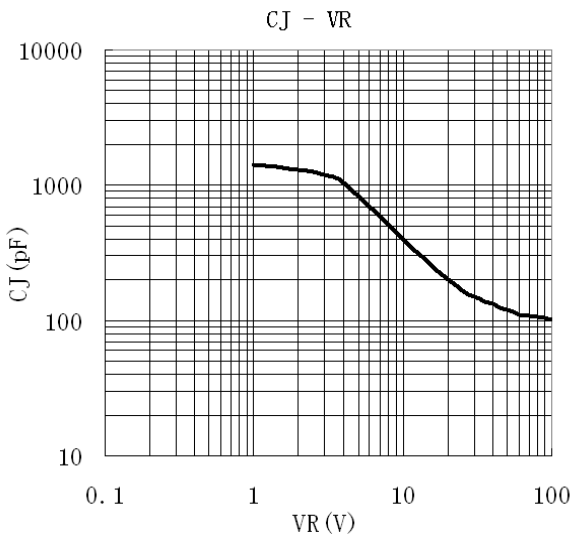
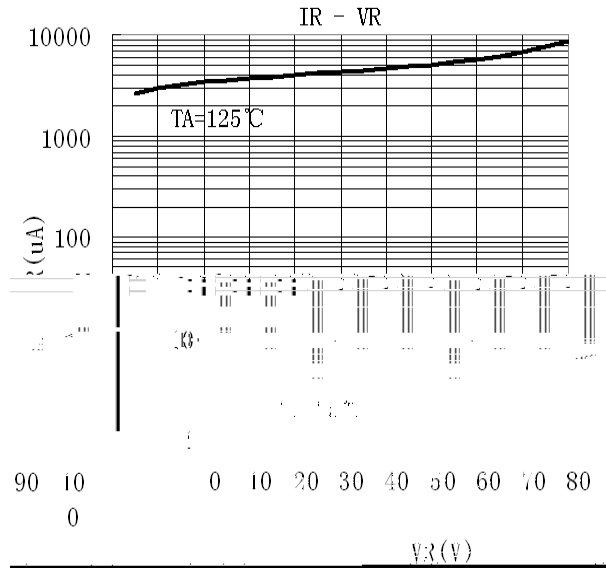
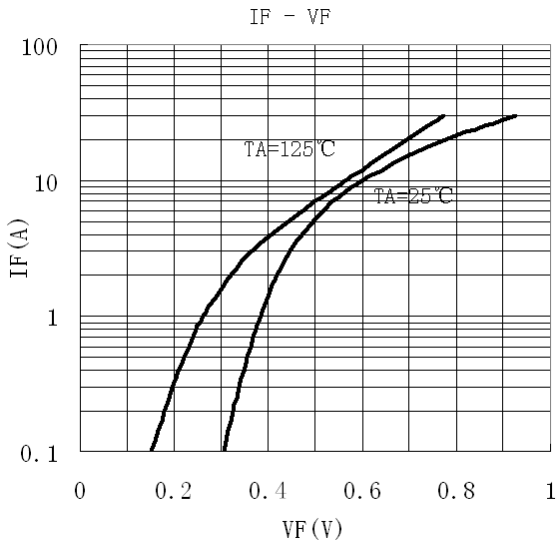
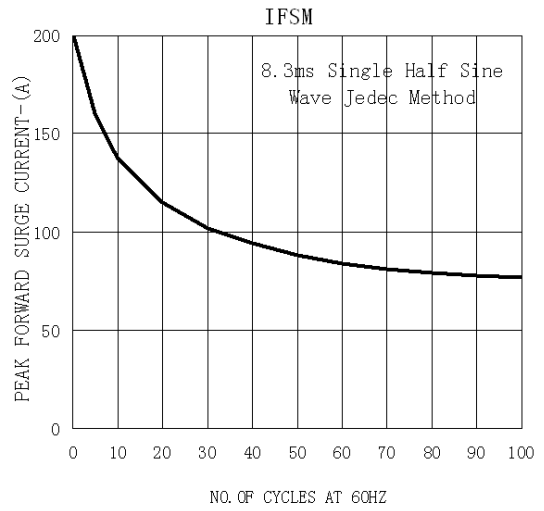
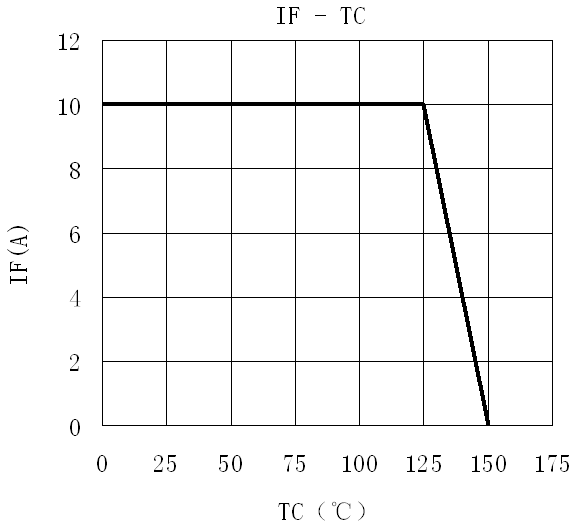
Symbol	Parameter	Unit	Value	Test Condition
$V_{GS(th)}$	Gate Threshold Voltage	V	1.5	$V_{DS}=10V, I_D=10mA$
$V_{GS(on)}$	Gate-On Voltage	V	2.5	$V_{DS}=10V, I_D=10mA$
		V	3.0	$V_{DS}=10V, I_D=10mA$
		V	3.5	$V_{DS}=10V, I_D=10mA$
		V	4.0	$V_{DS}=10V, I_D=10mA$
$r_{DS(on)}$	Drain-Source On-Resistance	Ω	10	$V_{GS}=10V, I_D=10mA$
		Ω	15	$V_{GS}=10V, I_D=10mA$

注/Notes :

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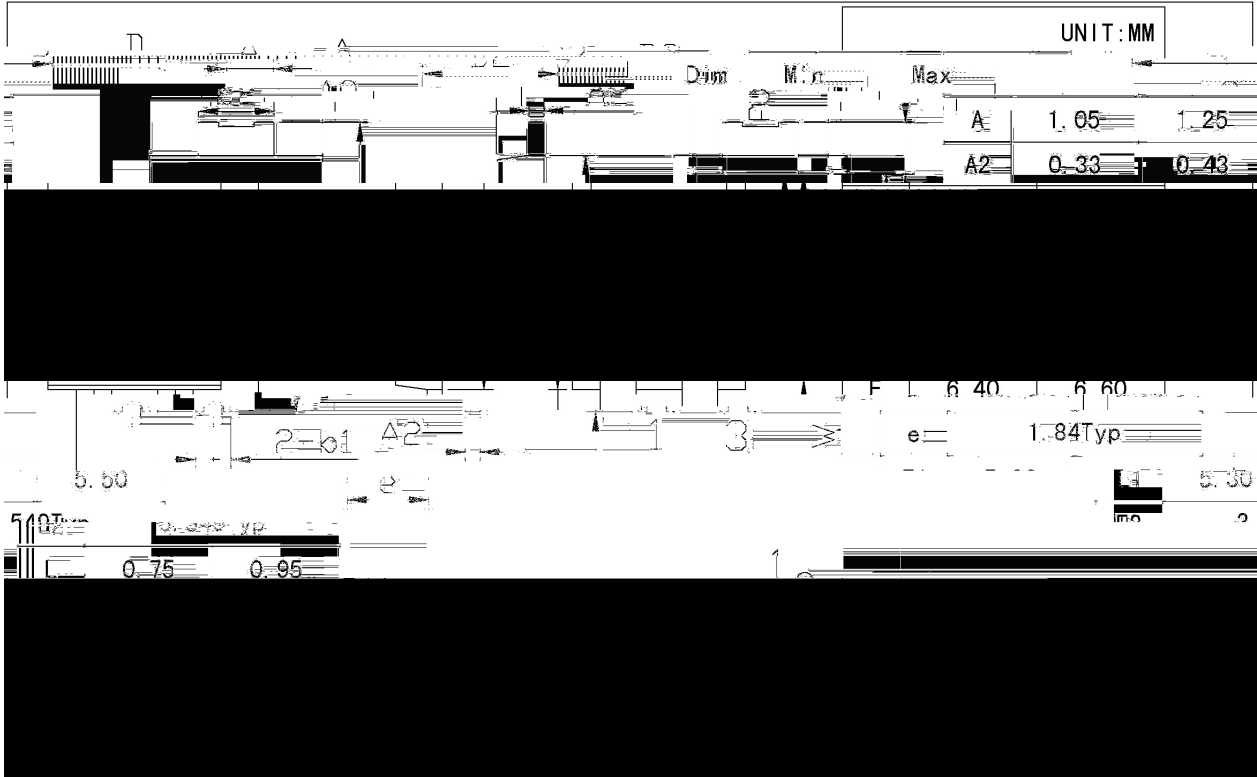


/ Electrical Characteristic Curve

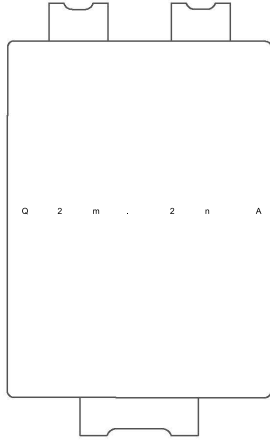




/ Package Dimensions



/ Marking Instructions



说明：

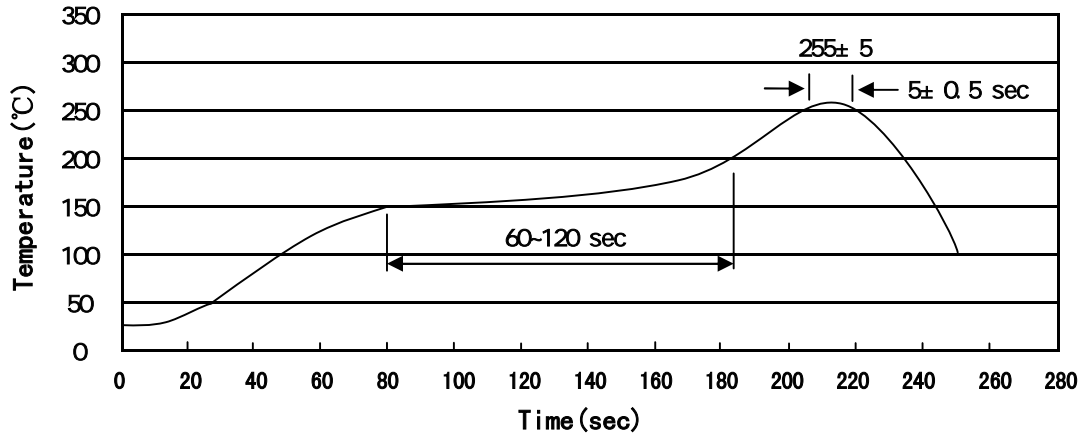
10TA0： 为型号代码

Q： 为汽车无卤产品标识

****： 为生产批号代码，随生产批号变化

10TA0：.....

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



/ Resistance to Soldering Heat Test Conditions

± °C ± °C °C

/ Packaging SPEC.

	只卷盘	卷盘盒	只盒	盒箱	只箱			
						"		

/ Notices