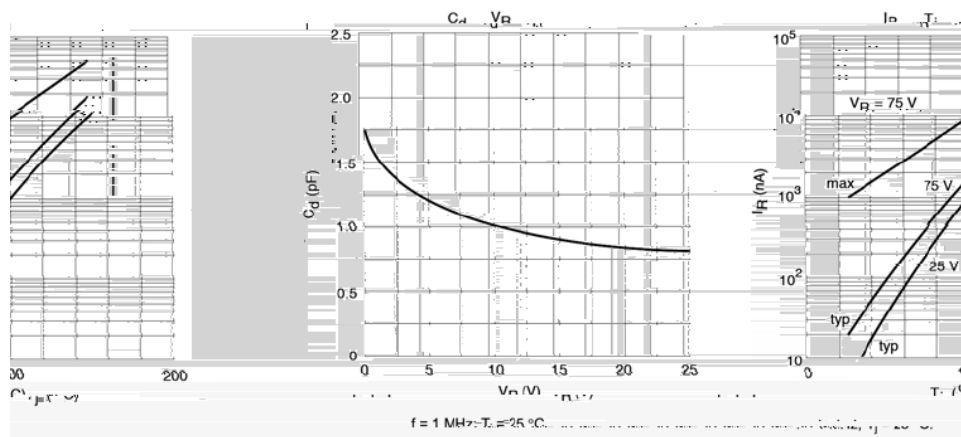
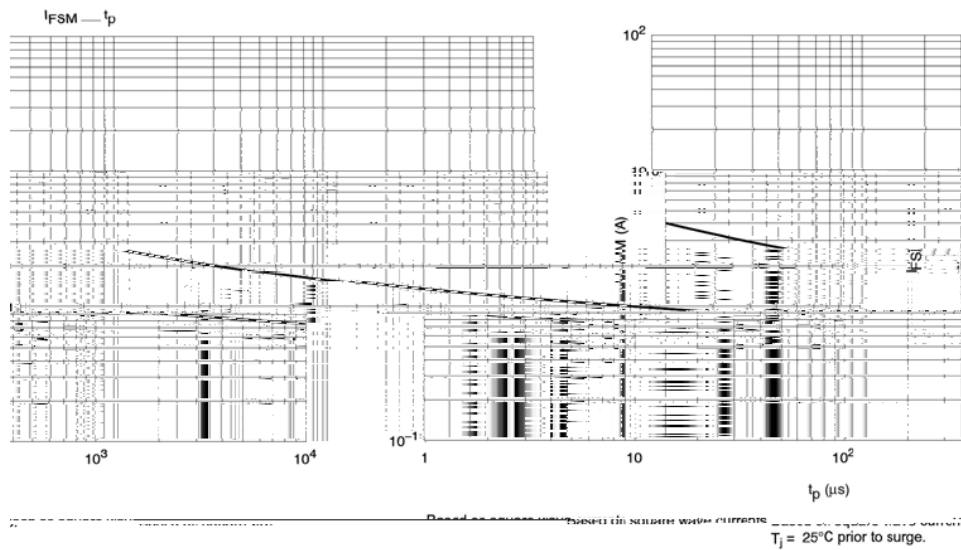
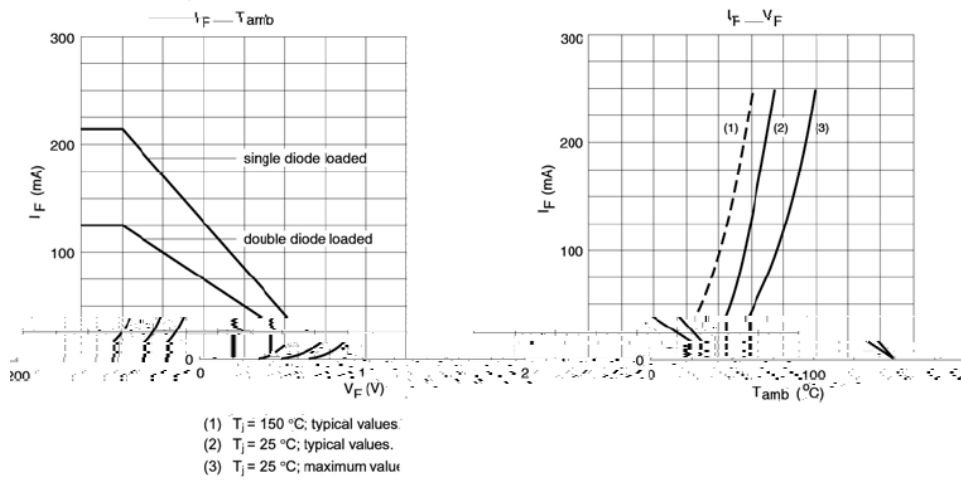


Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	85	V
Continuous Reverse Voltage	V_R	75	V
Average Rectified Forward Current	$I_F(\text{single diode loaded})$	215	mA
	$I_F(\text{double diode loaded})$	125	mA
Repetitive Peak Forward Current	I_{FRM}	450	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM(1)}(t=1\mu S)$	4.0	A
	$I_{FSM(2)}(t=1mS)$	1.0	A
	$I_{FSM(3)}(t=1S)$	0.5	A
Power Dissipation	P_{tot}	250	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	-55 150	°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=1.0mA$			715	mV
		$I_F=10mA$			855	mV
		$I_F=50mA$			1.0	V
		$I_F=150mA$			1.25	V
Instantaneous Reverse Current	I_R	$V_R=25V$			30	nA
		$V_R=75V$			1.0	μA
		$V_R=25V \quad T_A=150$			30	μA
		$V_R=75V \quad T_A=150$			50	μA
Total Capacitance	C_T	$V_R=0 \quad f=1.0MHz$			2.0	pF
Reverse Recovery Time	t_{rr}	$I_F=1R=10mA$ $I_{RR}=1.0mA \quad R_L=100\Omega$			4.0	ns
Forward recovery voltage	V_{ft}	$I_F=10mA \quad t_r=20ns$			1.75	V

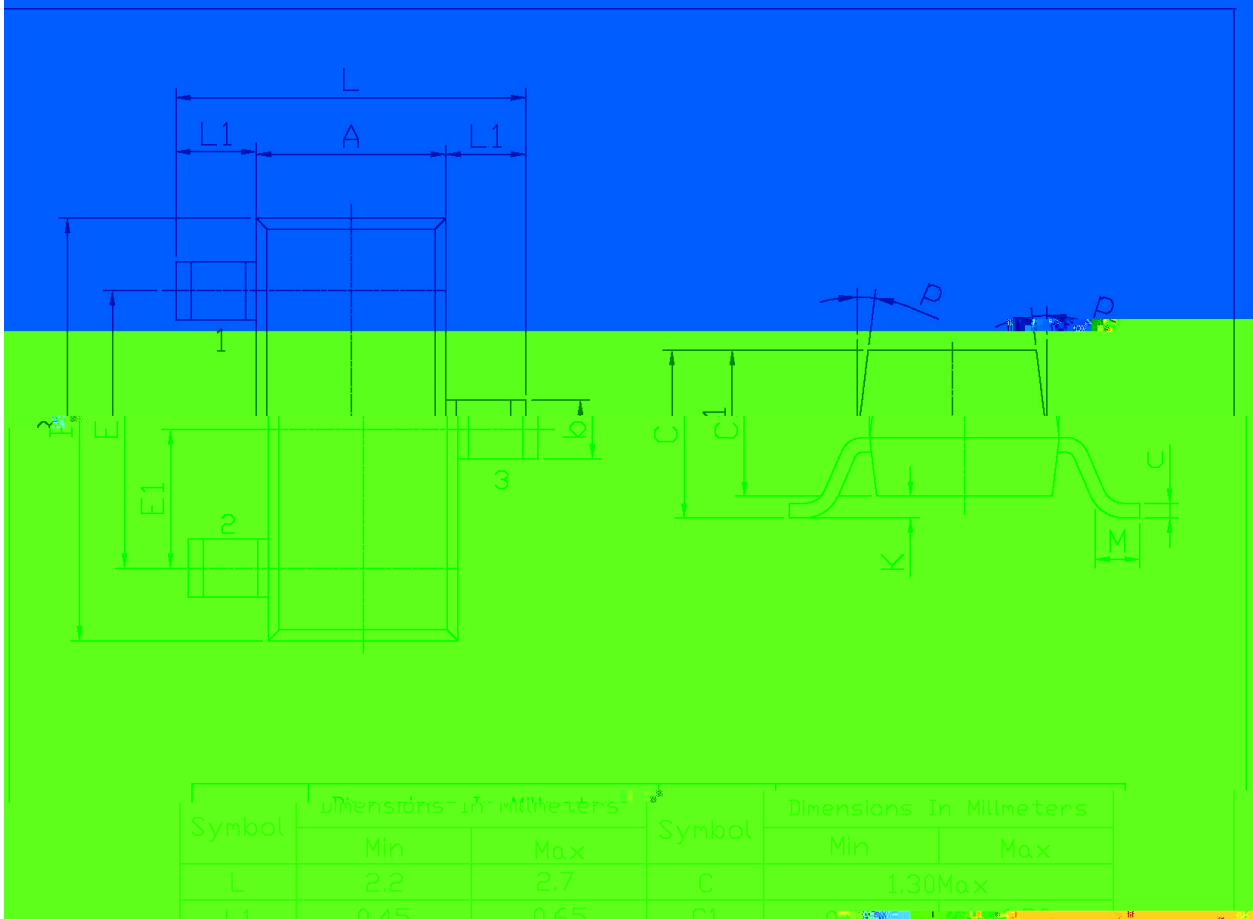
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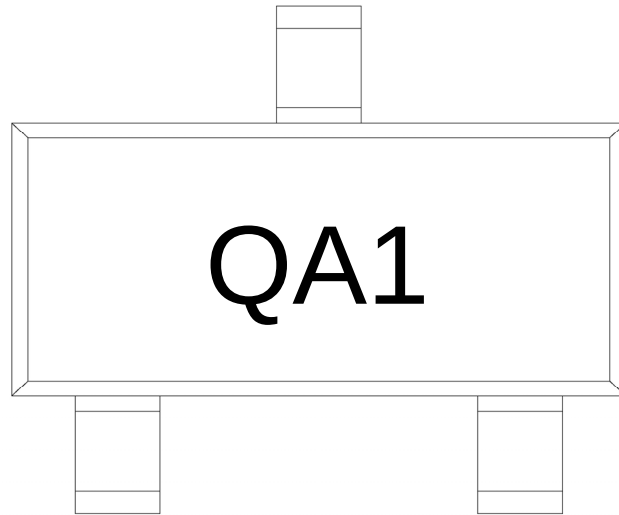
SOT-23

单位: mm



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
L	2.2	2.7	C	1.30	Max
L1	0.45	0.65	K	0	0.10
A	1.15	1.50	M	0.20	Min
E1	1.70	2.10	P	7°	
Q	0.35	0.55			

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Note:

Q: Automobile halogen-free product Code

A1: Product Type

Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

- 115020060120sec;
1.Preheating:150~200, Time:60~120sec.
- 2255550.5sec;
2.Peak Temp.:2555, Duration:50.5sec.
- 3210/sec.
3.Cooling Speed: 2~10/sec.

2605101 sec.Temp.:260±5℃Time:10±1 sec

/ REEL

Package Type	Units				Dimension (unit mm³)		