

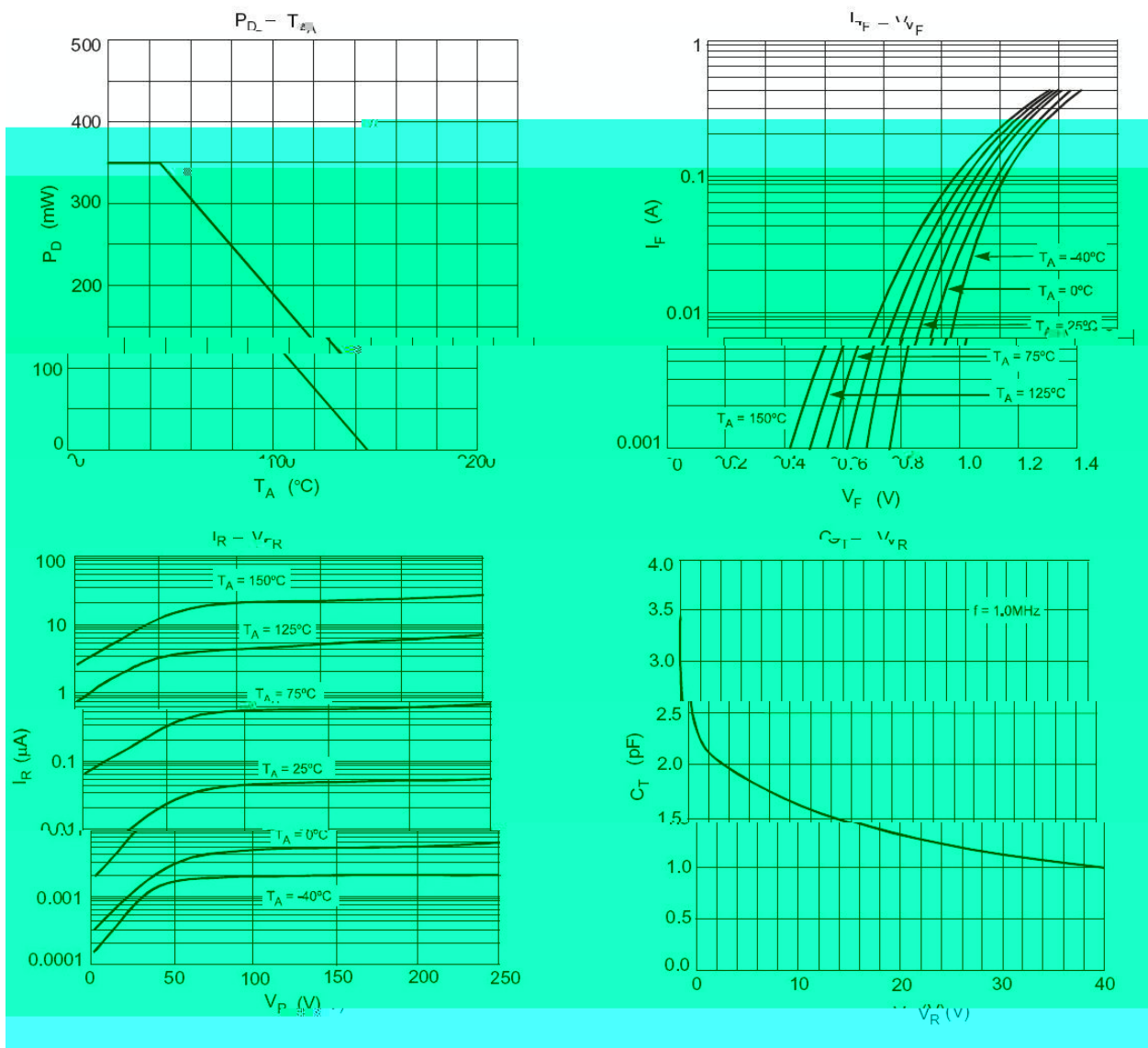
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	250	V
Reverse Voltage	V_R	200	V
Working Peak Reverse Voltage	V_{RWM}		
RMS Reverse Voltage	$V_{R(RMS)}$	141	V
Average Rectified Forward Current	I_{FM}	400	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM(1)}$ (pulse width=1.0 uS)	9.0	A
	$I_{FSM(2)}$ (pulse width=100uS)	3.0	A
	$I_{FSM(3)}$ (pulse width=10ms)	1.7	A
Repetitive Peak Forward Surge Current	I_{FRM}	625	mA
Power Dissipation	P_D	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	/W
Junction and Storage Temperature Range	T_j, T_{stg}	-65 150	

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	V_R	$I_R=100\mu A$	250			V
Forward Voltage	V_F	$I_F=100mA$			1.0	V
		$I_F=200mA$			1.25	V
Instantaneous Reverse Current	I_R	$T_J=25$			100	nA
		$T_J=150$			100	μA
Total Capacitance	C_T	$V_R=0$ $f=1.0MHz$			5.0	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=30mA$ $I_{RR}=0.1 \times I_R$ $R_L=100\Omega$			50	ns

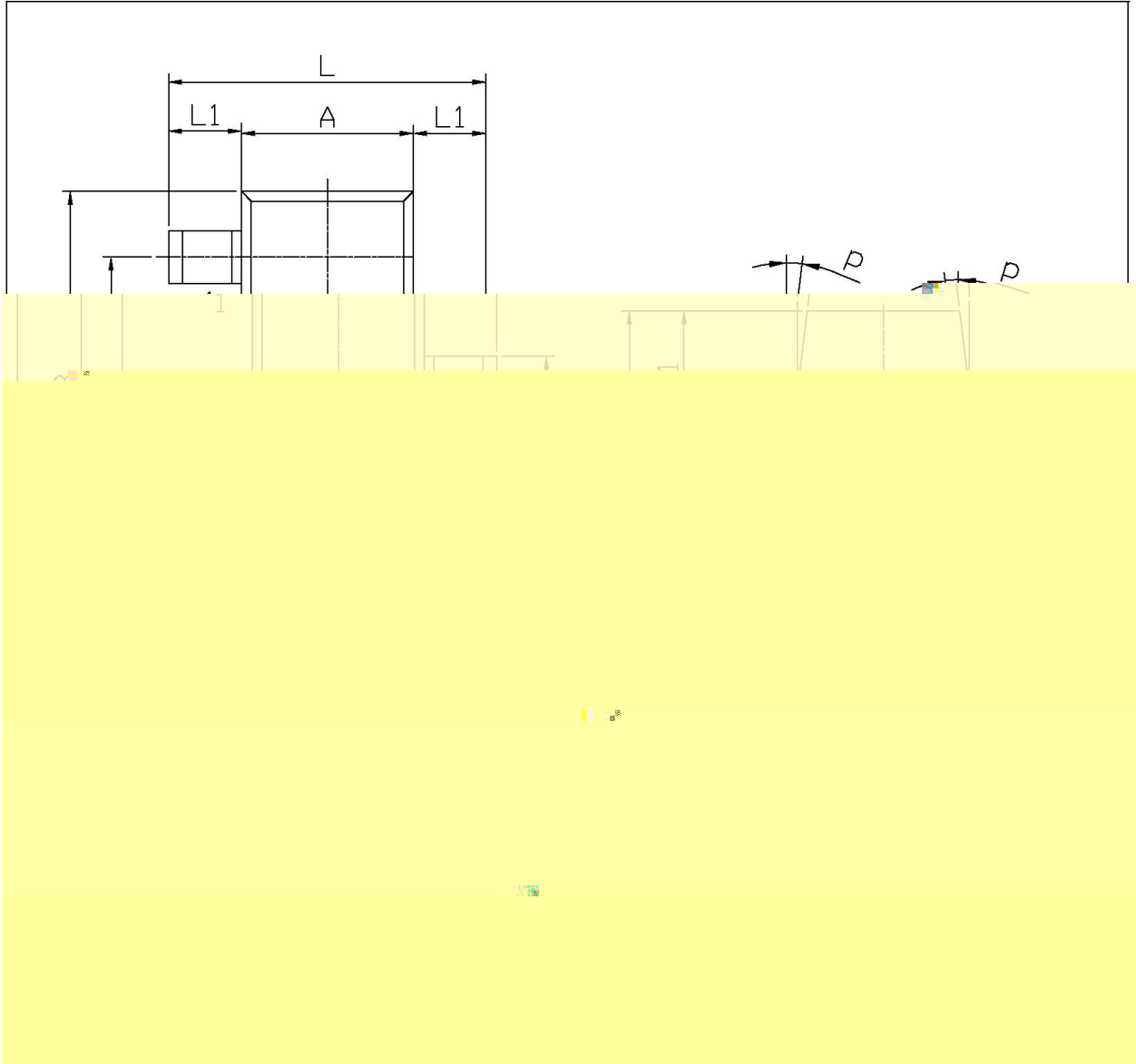
I Electrical Characteristic Curve



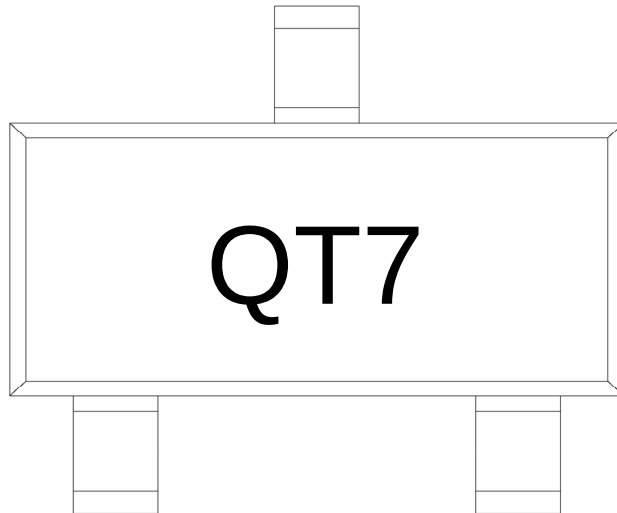
/ Package Dimensions

SOT-23

单位: mm



/ Marking Instructions



Q

T7

Note:

Q: Automobile halogen-free product Code

T7: Product Type

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

Note:

- 1

150 200

60 120sec;

1.Preheating:150~200 , Time:60~120sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10

/sec.

3.Cooling Speed: 2~10 /sec.