

Rev.A May.-2016

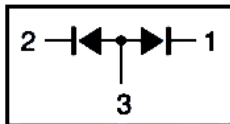
VRW0656 M M æ M ç Ì 1 Silicon Diode in a SOT-323 Plastic Package.

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Small package, High switching speed, Repetitive peak reverse voltage, Repetitive peak forward current up to 450mA.

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High-speed switching in thick and thin-film circuits .



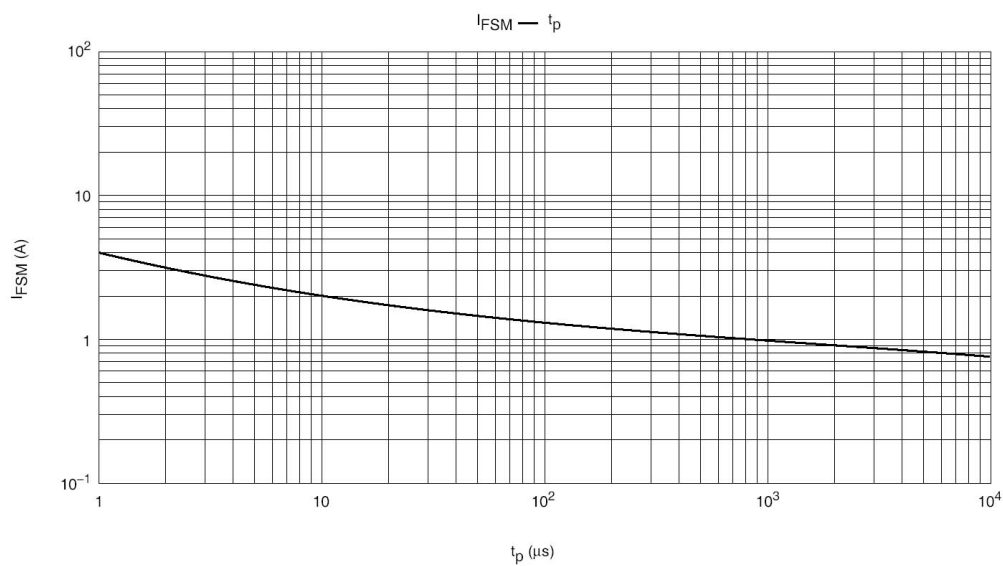
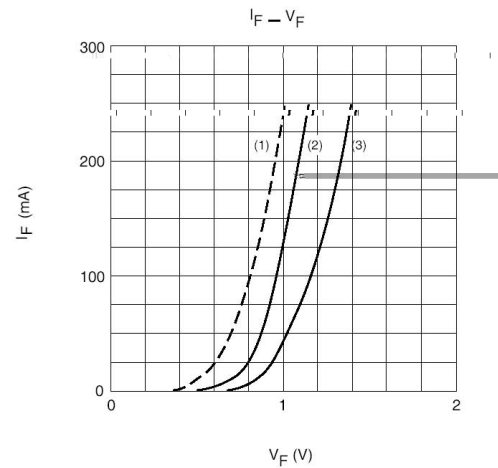
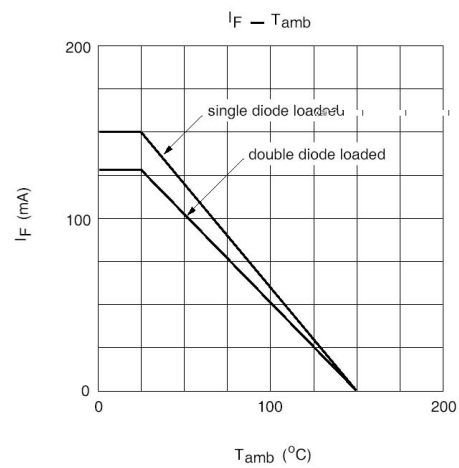
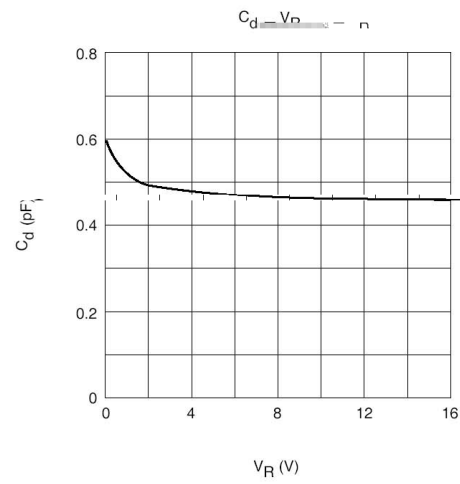
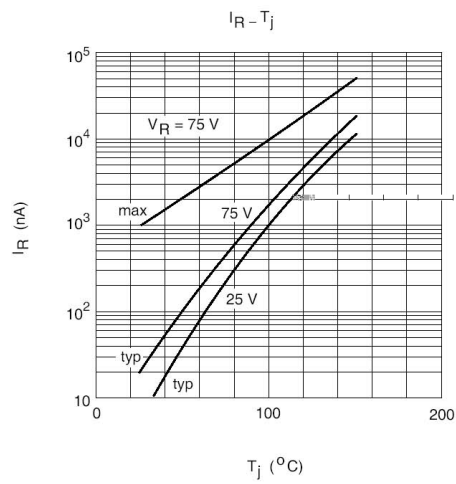
PIN: See Equivalent Circuit.

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Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	85	V
Continuous reverse voltage	V_R	75	V
Continuous forward current	$I_{F(1)}$	215	mA
	$I_{F(2)}$	125	mA
Repetitive peak forward current	I_{FRM}	450	mA
Non-repetitive Peak Forward Current	$I_{FSM(1)}(t=1\text{ S})$	0.5	A
	$I_{FSM(2)}(t=1\text{ mS})$	1.0	A
	$I_{FSM(3)}(t=1\mu\text{S})$	4.0	A
Total power dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

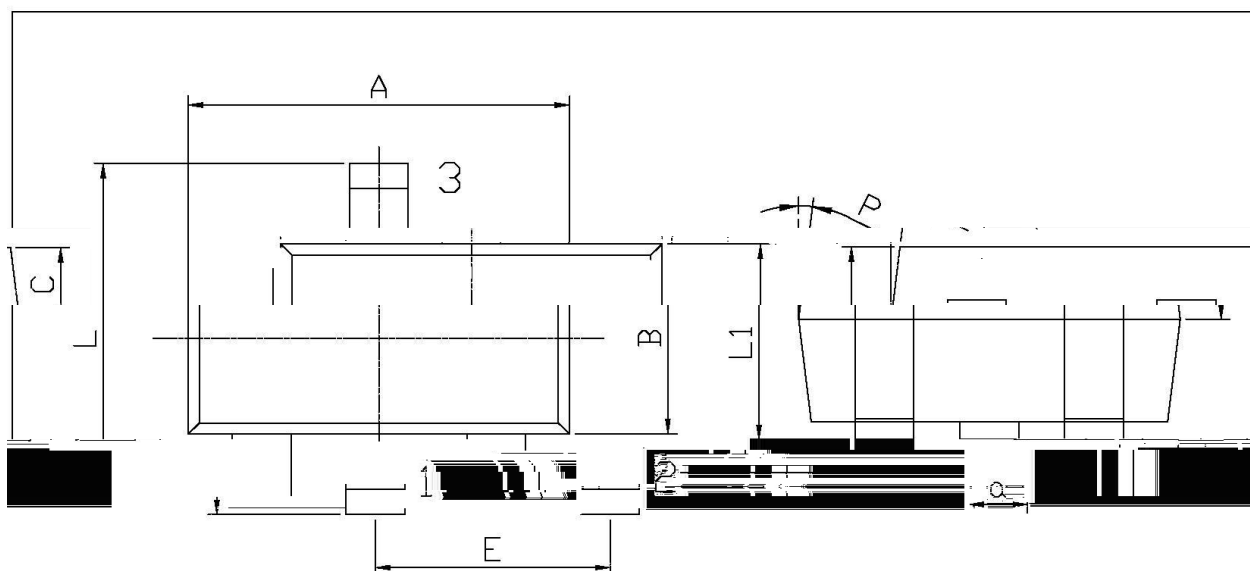
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=1\text{mA}$			715	mV
		$I_F=10\text{mA}$			855	mV
		$I_F=50\text{mA}$			1.0	V
		$I_F=150\text{mA}$			1.25	V
Instantaneous Reverse Current Total Capacitance	I_R	$V_R=25\text{V}$			30	nA
		$V_R=75\text{V}$			1.0	μA
		$V_R=25\text{V}$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

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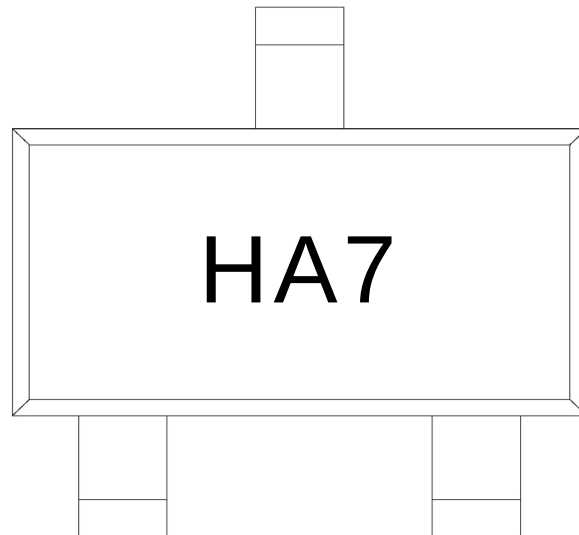


SOT-323

单位: mm



Dimensions in millimeters					
Symbol	Min	Max	Symbol	Min	Max
A	1.95	2.35	C	0.30	0.50
L	2.00	2.2	L1	0.85	1.15
E	1.20	1.40	a	0.20	0.40
B	1.25	1.35	P	0.50	0.65



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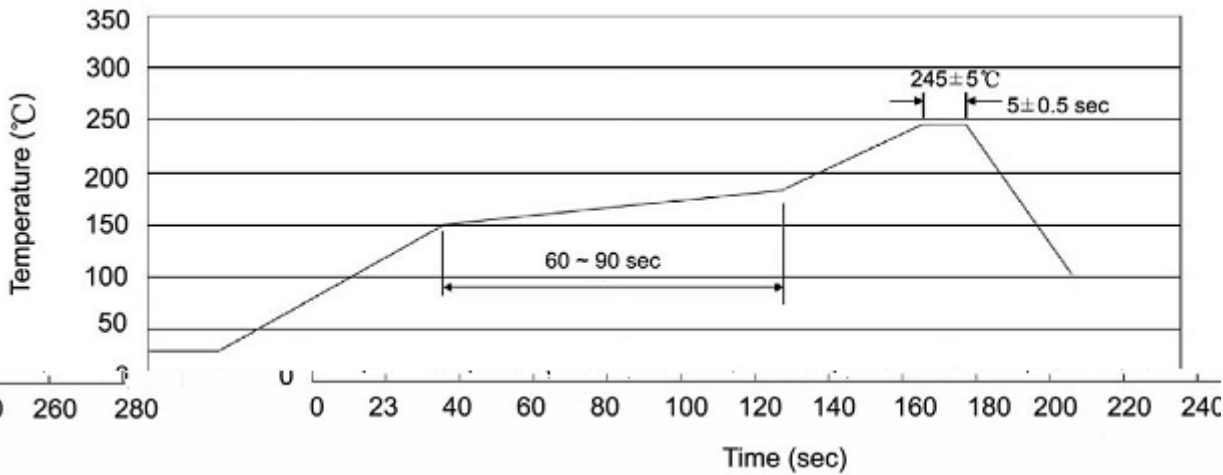
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Note:

H: Company Code.

A7: Product Type.



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 - 1 25~150 ℃ 60~90sec;
 - 2 245±5℃ 5±0.5sec;
 - 3 2~10 ℃/sec.
- Note:

 - 1.Preheating:25~150 ℃ , Time:60~90sec.
 - 2.Peak Temp.:245±5 ℃ , Duration:5±0.5sec.
 3. Cooling Speed: 2~10 ℃ /sec.

260±5℃ 10±1 sec. Temp.:260±5 Time:10±1 sec

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	只 卷盘	卷盘 盒	只 盒	盒 箱	只 箱		盒	箱