/ Descriptions

SOT-23
Silicon Diode in a SOT-23 Plastic Package.

/ Features

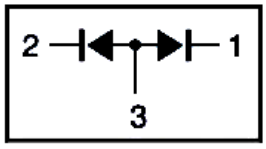
450mA

Small package, double diode, high switching speed, high repetitive peak reverse voltage, repetitive peak forward current up to 450mA. HF Product.

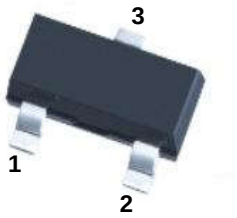
/ Applications

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

/ Equivalent Circuit



/ Pinning



PIN: See Equivalent Circuit.

/ h_{FE} Classifications & Marking

Marking	HA1

Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	85	V
Continuous Reverse Voltage	V_R	75	V
Average Rectified Forward Current	$I_{F(single\ diode\ loaded)}$	215	mA
	$I_{F(double\ diode\ loaded)}$	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

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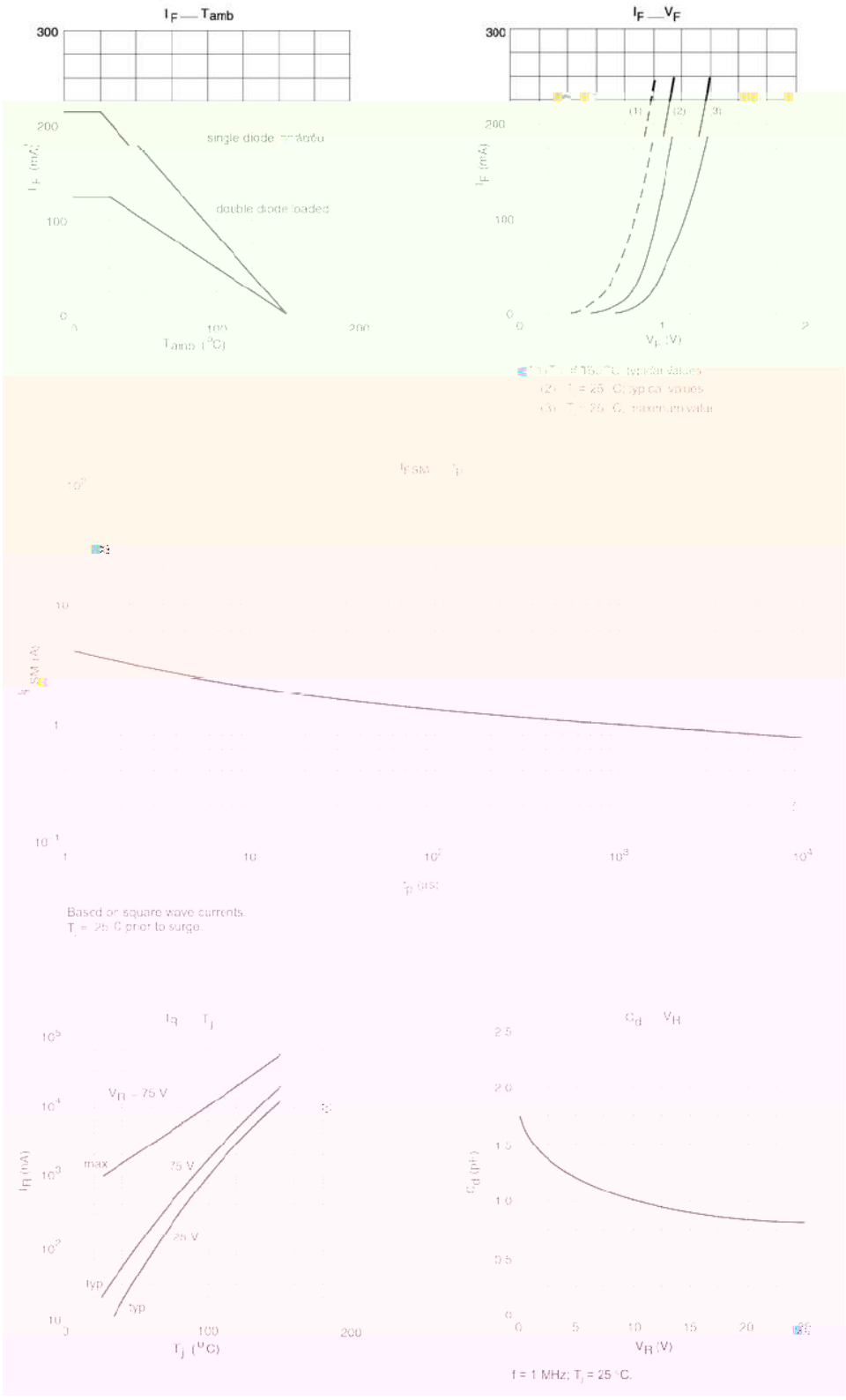
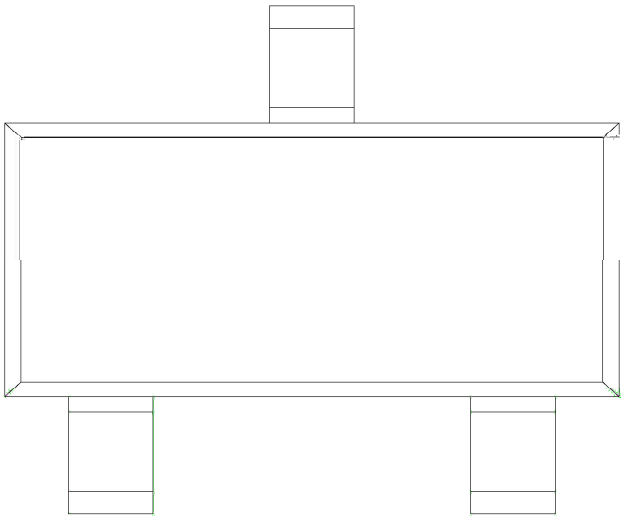
250 ±

/ Electrical Characteristic Curve



/ Marking Instructions



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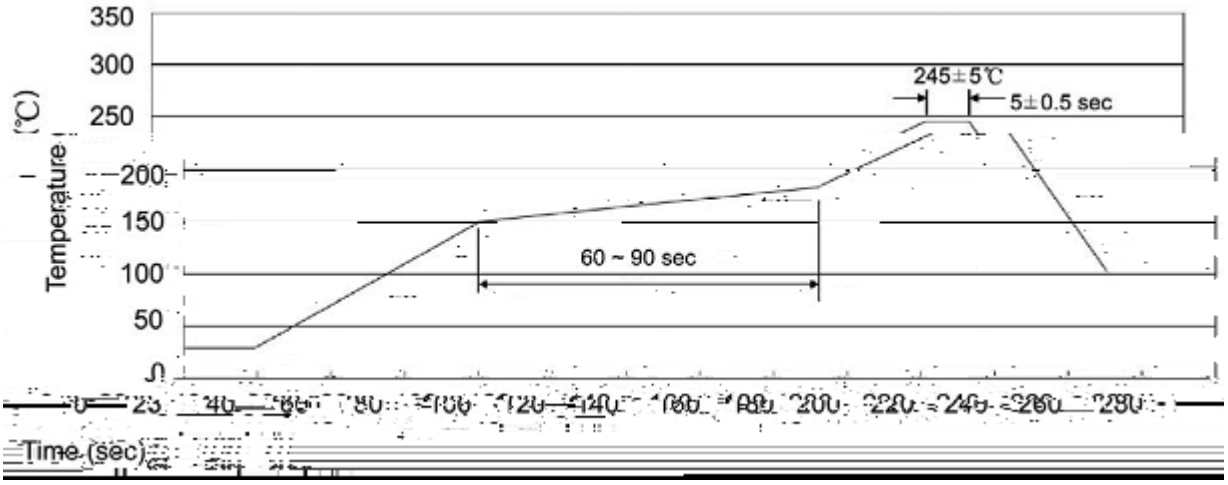
350
300
250
200
150
100
50
0
(℃)
Temperature
245±5℃
5±0.5 sec
60 ~ 90 sec
Time (sec)

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