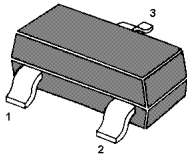
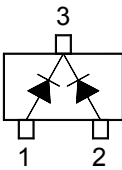


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SILICON EPITAXIAL PLANAR SWITCHING DIODE

Application

- Ultra high speed switching



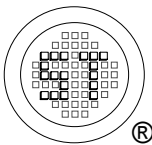
Marking Code: **A4**
SOT-23 Plastic Package

Absolute Maximum Ratings ($T_a = 25\text{ }^{\circ}\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Average Forward Current	I_O	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Surge Current ($t = 1\text{ }\mu\text{s}$)	I_{FSM}	4	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_j	150	$^{\circ}\text{C}$
Storage Temperature Range	T_s	- 55 to + 150	$^{\circ}\text{C}$

Characteristics at $T_a = 25\text{ }^{\circ}\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1.2	V
Reverse Current at $V_R = 70\text{ V}$	I_R	0.1	μA
Total Capacitance at $V_R = 6\text{ V}$, $f = 1\text{ MHz}$	C_T	3.5	pF
Reverse Recovery Time at $V_R = 6\text{ V}$, $I_F = 5\text{ mA}$, $R_L = 50\text{ }\Omega$	t_{rr}	4	ns



SEMTECH ELECTRONICS LTD.

(Subsidiary of Sino-Tech International Holdings Limited, a company
listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949:2002
Certificate No. 05103



ISO 14001:2004
Certificate No. 014



ISO 9001:2009
Certificate No. 014

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