



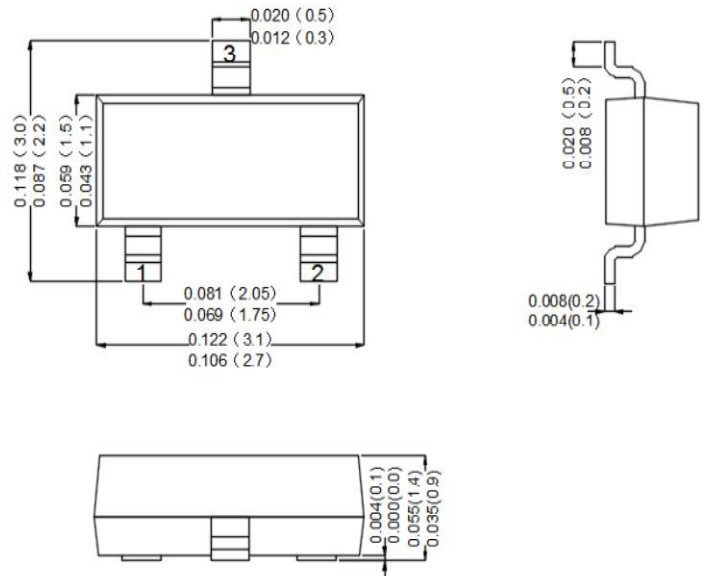
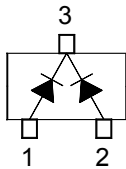
Features

- Small package
- Ultra high speed switching

SOT-23

Mechanical Data

- Case: Molded Plastic, SOT-23
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Plated Leads Solderable per MIL-STD-750, Method-2026.
- Marking: A4
- Mounting Position : Any.
- Equivalent Circuit:



Dimensions in inches and (millimeters)

Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

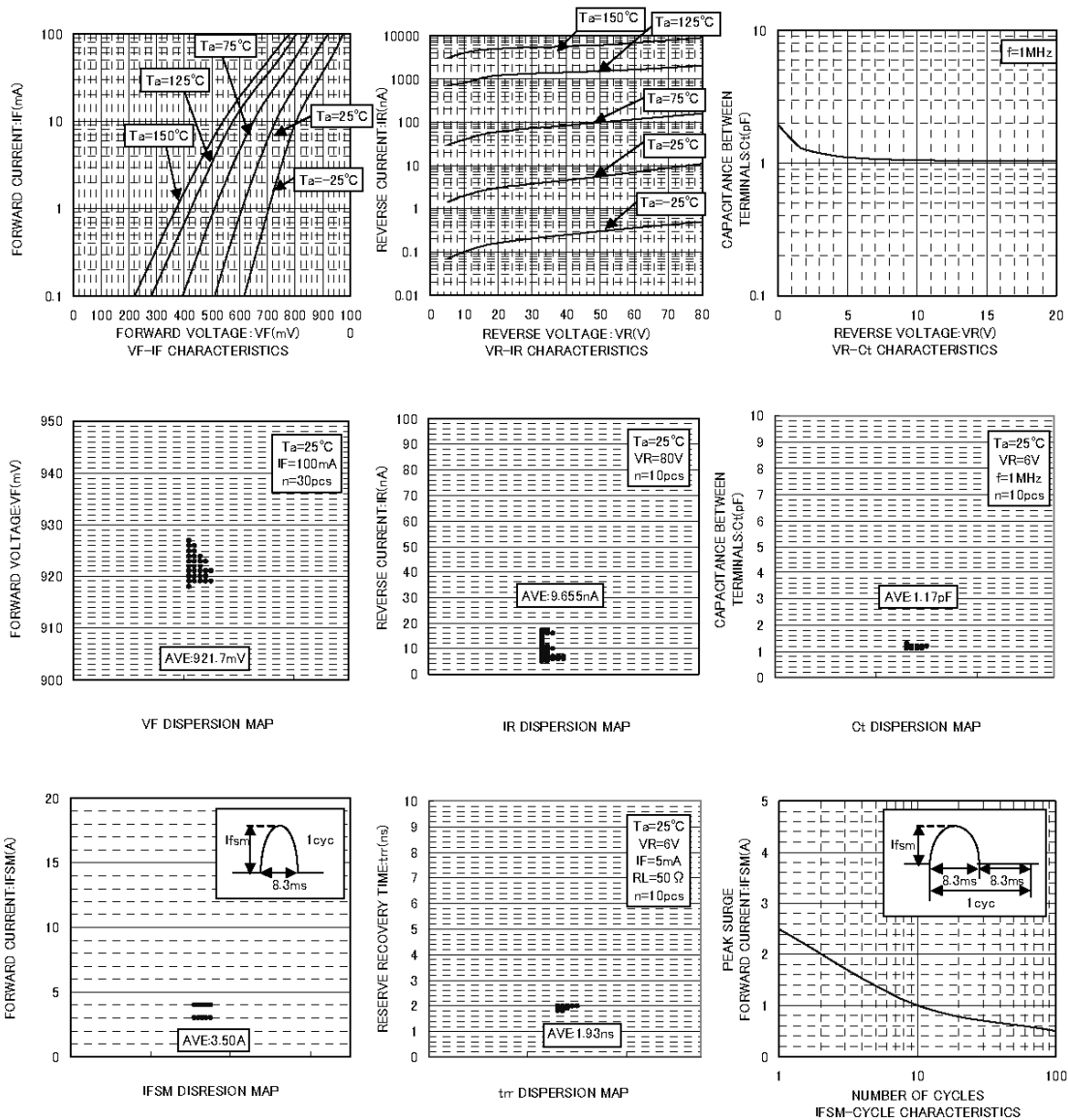
Parameter	Symbol	Value	Unit
Maximum Peak Reverse Voltage	V_{RM}	80	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Non-repetitive Peak Forward Surge Current ($t = 1 \mu s$)	I_{FSM}	4	A
Power Dissipation	P_{tot}	350	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

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 $V_R = 6 \text{ V}$, $I_F = 5 \text{ mA}$, $R_L = 50 \Omega$	t_{rr}	4	ns



Rating And Characteristic Curves





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