

VOLTAGE RANGE: 40V
CURRENT: 200mA

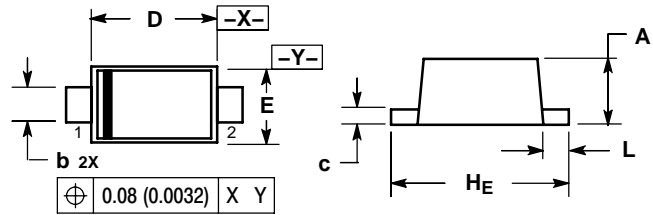
SOD-923

Features

- Silicon epitaxial planar
- Extremely small surface mounting type.
- Low V_F
- High reliability.

Mechanical Data

- Case: SOT-923, Molded Plastic
- Marking: 5
- Weight: 0.008 grams (approx.)



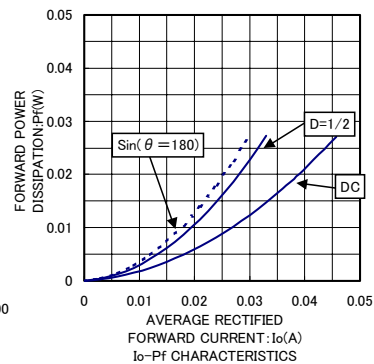
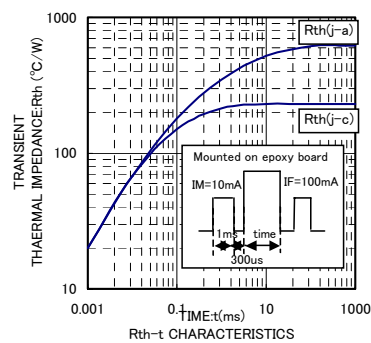
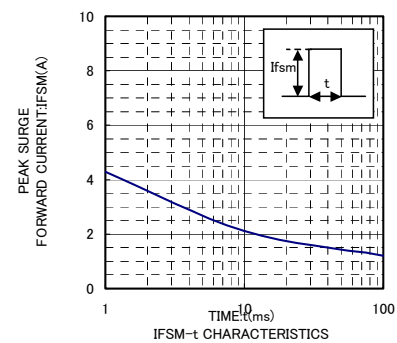
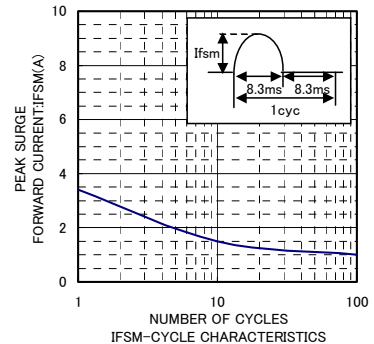
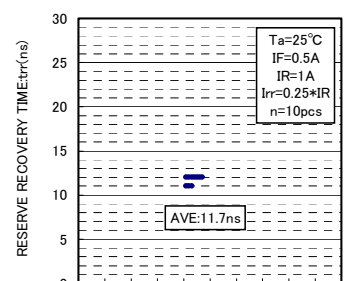
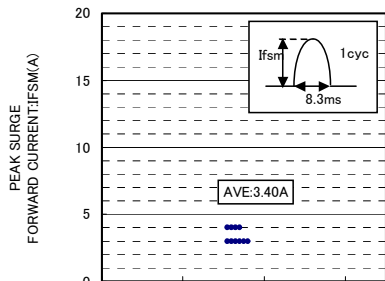
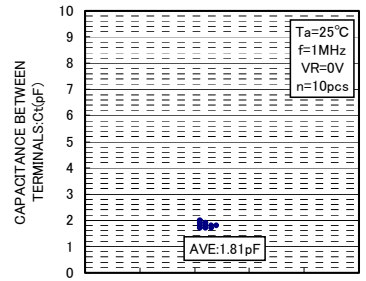
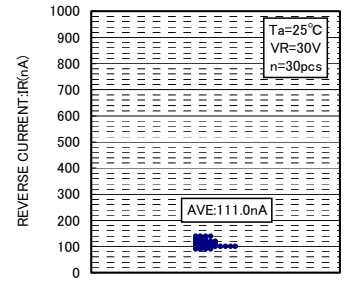
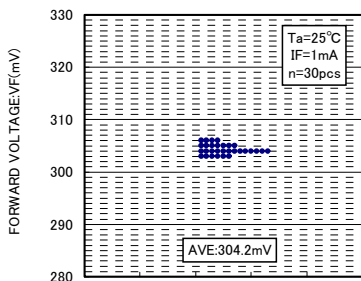
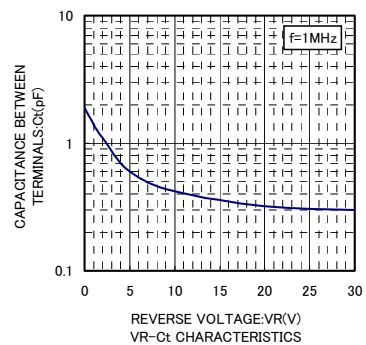
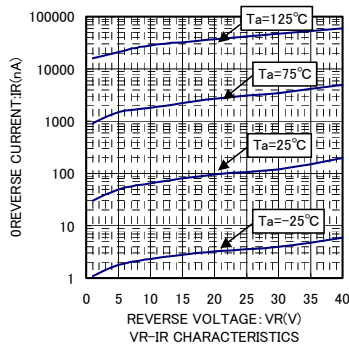
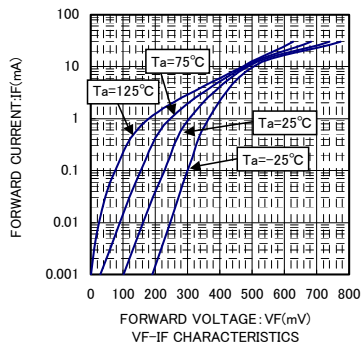
DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.34	0.39	0.43	0.013	0.015	0.017
b	0.15	0.20	0.25	0.006	0.008	0.010
c	0.07	0.12	0.17	0.003	0.005	0.007
D	0.75	0.80	0.85	0.030	0.031	0.033
E	0.55	0.60	0.65	0.022	0.024	0.026
H _E	0.95	1.00	1.05	0.037	0.039	0.041
L	0.05	0.10	0.15	0.002	0.004	0.006

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	40	V
Reverse voltage (DC)	V _R	30	V
Average rectified forward current	I _o	30	mA
Forward current surge peak (60Hz•1cyc)	I _{FSM}	200	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

Electrical characteristic (T_a=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-		0.37	V	I _F =1mA
Reverse current	I _R	-		0.5	A	V _R =30V
Capacitance between terminals	C _t	-	2	-	pF	V _R =1V, f=1MHz



Electrical characteristic curves ($T_a=25^{\circ}\text{C}$)

