

VOLTAGE RANGE: 30V

CURRENT: 100mA

Features

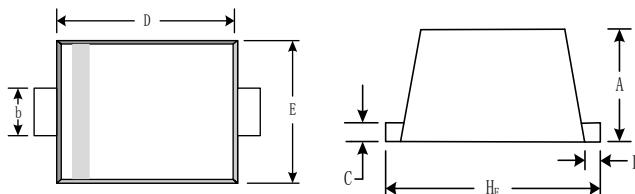
- 100mA Average rectified forward current
- Low forward voltage
- Low leakage current

Mechanical Data

- Small package SOD-923
- Low Current Rectification



SOD-923



Symbol	Dimensions in millimeter		
	Min.	Typ.	Max.
A	0.36	0.40	0.43
b	0.15	0.20	0.25
C	0.07	0.12	0.17
D	0.75	0.80	0.85
E	0.55	0.60	0.65
H _E	0.95	1.00	1.05
L	0.05	0.10	0.15

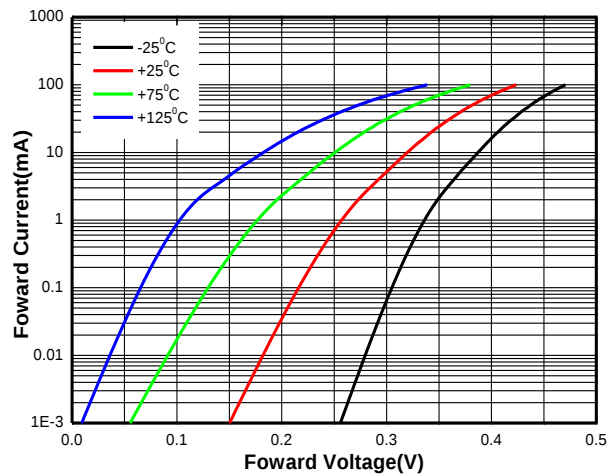
Maximum Ratings T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Reverse voltage (DC)	V _R	30	V
Average rectified forward current	I _O	100	mA
Peak forward surge current (8.3ms single pulse)	I _{FSM}	0.5	A
Junction temperature	T _J	150	°C
Operating temperature	T _{opr}	-40 ~ +85	°C
Storage temperature	T _{stg}	-40 ~ +150	°C

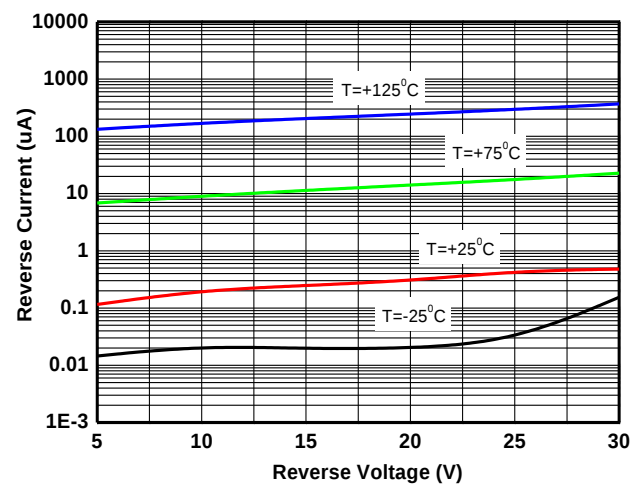
Electronics characteristics (T_A=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Reverse Voltage	V _R	I _R =100uA	30			V
Forward voltage	V _F	I _F =10mA			0.35	V
Reverse current	I _R	V _R =10V			10	uA
Junction capacitance	C _J	V _R =5V, f=1MHz		6.6		pF

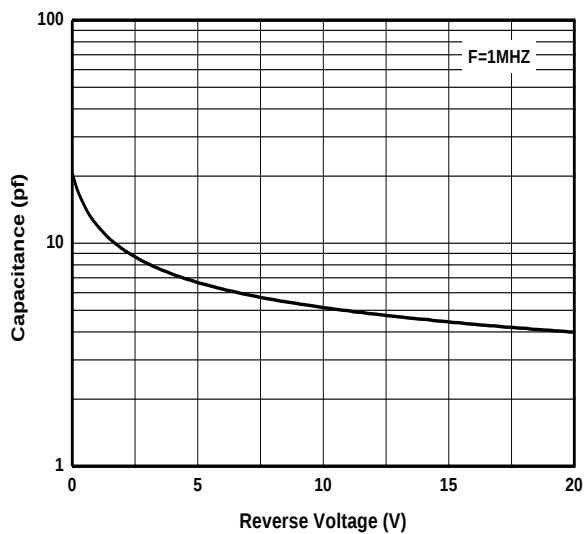
Typical characteristics ($T_a=25^{\circ}\text{C}$, unless otherwise noted)



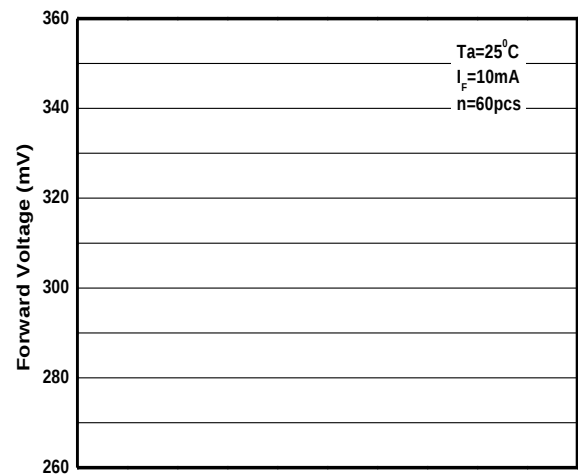
Forward voltage vs. Forward current



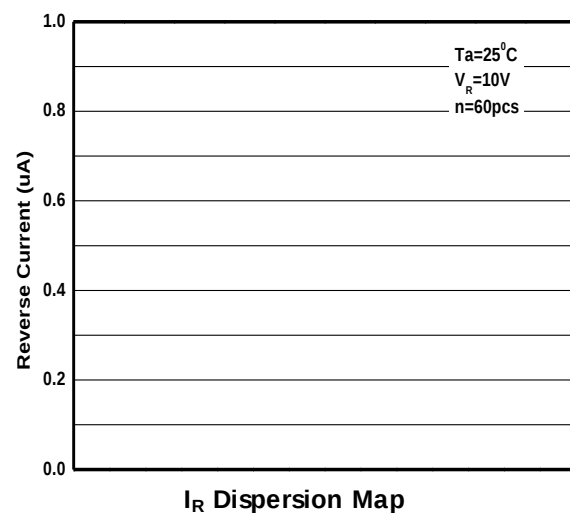
Reverse current vs. Reverse voltage



Junction capacitance vs. Reverse voltage



V_F Dispersion Map



I_R Dispersion Map