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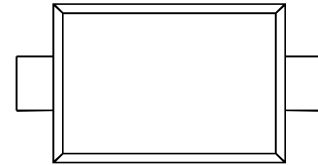
GDT



PLED

Product data sheet

- ◇ Low current rectification
- ◇ Low forward voltage
- ◇ SOD-923 Micro SMD package(Fig-)1 Dimensions:
1.0 mm x 0.6 mm (0.039" x 0.024")
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Cathode Band / Device marking:



SOD-923

Absolute Maximum Ratings (Ta = 25 °C)

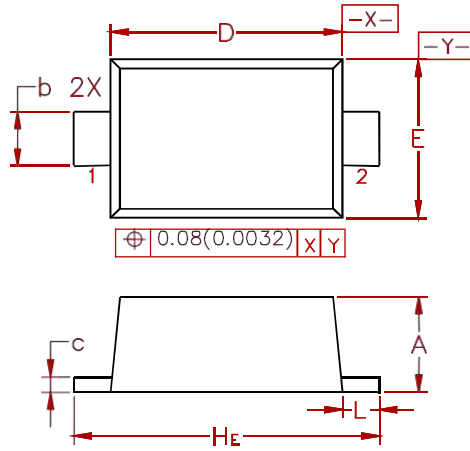
Symbol	Parameter	Value	Units
V _{RRM}	Repetitive Peak Reverse Voltage	30	V
V _R	Reverse Voltage	30	V
I _O	Continuous Forward Current	100	mA
I _{FSM}	Non-Repetitive Peak Forward Current *1	500	mA
T _J	Junction Temperature	125	°C
T _{STG}	Storage Temperature	-55 to +125	°C

*1: 8.3ms Single Half Sine-Wave

Electrical Characteristics (Ta = 25 °C)

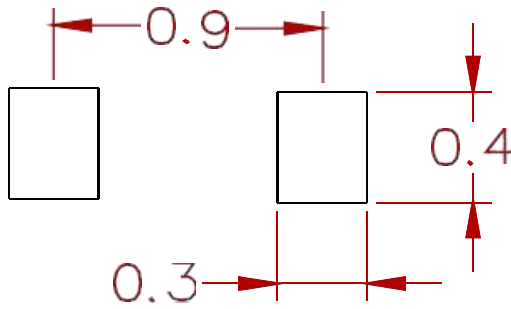
Symbol	Parameter	Conditions	Min	TYP	Max	Units
V _F	Forward Voltage	I _F = 10mA			0.35	V
		I _F = 20mA			0.40	V
BV _R	Breakdown Voltage	I _R = 100 μA	30			V
I _R	Reverse Current	V _R = 10V			10	μA
		V _R = 30V			50	μA

PACKAGE MECHANICAL DATA



Dim	Millimeters			Inches		
	Min	Nom	Max	Min	Nom	Max
A	0.36	0.40	0.43	0.014	0.016	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
HE	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

Suggested Pad Layout



Dimensions: Millimeters

REEL SPECIFICATION

P/N	PKG	QTY
CDB0130QRM-MS	SOD-923	8000

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