

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

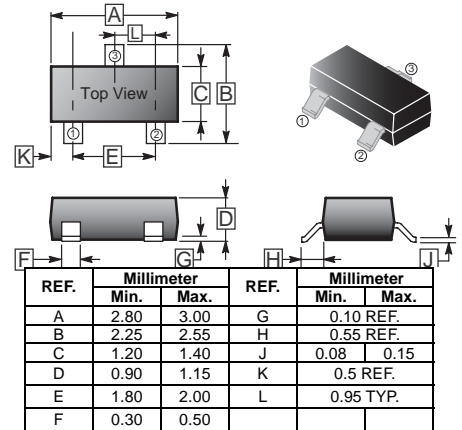
FEATURES

- SOT-23 package for surface mount application
- Protects 15V components
- Protects two unidirectional line or one bi-directional line

APPLICATIONS

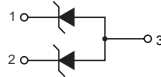
- Cellular Handsets and Accessories
- Portable devices
- Industrial Controls
- Set -Top Box
- Servers, Notebook, and Desktop PC

SOT-23



Marking Code

KDL



ABSOLUTE RATINGS (T_{amb} = 25°C)

Rating	Symbol	Value	Units
IEC 61000-4-2 (ESD)	Air contact	±15	kV
	Contact discharge	±8	kV
ESD voltage	Per human body model	16	kV
Total power dissipation on FR-5 Board (Note 1) @ T _A =25°C	P _D	150	mW
Junction and storage temperature range	T _J , T _{STG}	-55 ~ +150	°C
Lead solder temperature – maximum (10 Second duration)	T _L	260	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Rating are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

1. FR-5 = 1.0*0.75*0.62 in.

ELECTRICAL CHARACTERISTICS

(Ratings at 25°C ambient temperature unless otherwise specified. V_F = 0.9V at I_F = 10mA)

Device	V _{RWM} (V)	I _R (uA) @ V _{RWM}	V _{BR} (V) @ I _T (Note 2)	I _T (mA)	V _C (V) @ Max I _{PP} (Note 3)	I _{PP} (A) (Note 3)	P _{PK} (W)*	C (pF) (Note 4)
	Max	Max	Min	mA	Max	Max	Max	Typ
SZMD15C	15	0.1	16.8	5.0	30	5	150	45

1. Other voltages available upon request.
2. V_{BR} is measured with a pulse test current I_T at an ambient temperature of 25°C
3. Surge current waveform per Figure 3.
4. Measured at 1MHz 0V.

RATINGS AND CHARACTERISTICS CURVES

