



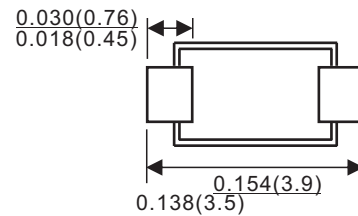
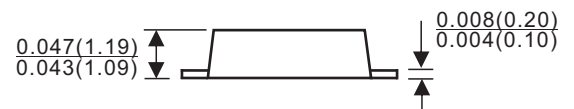
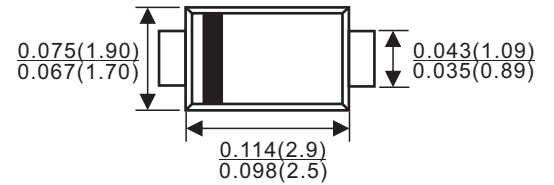
SOD-123FL

Features

- ✧ Low profile package
- ✧ Ideal for automated placement
- ✧ Ultrafast reverse recovery time
- ✧ Low power losses, high efficiency
- ✧ Low forward voltage drop
- ✧ High surge capability
- ✧ High temperature soldering:
260°C/10 seconds at terminals
- ✧ Component in accordance to
RoHS 2002/95/1 and WEEE 2002/96/EC

Mechanical Date

- ✧ **Case:** JEDEC SOD-123FL molded plastic body over passivated chip
- ✧ **Terminals:** Solder plated, solderable per J-STD-002B and JESD22-B102D
- ✧ **Polarity:** Laser band denotes cathode end
- ✧ **Weight:** 0.017gram



Dimensions in inches and(millimeters)

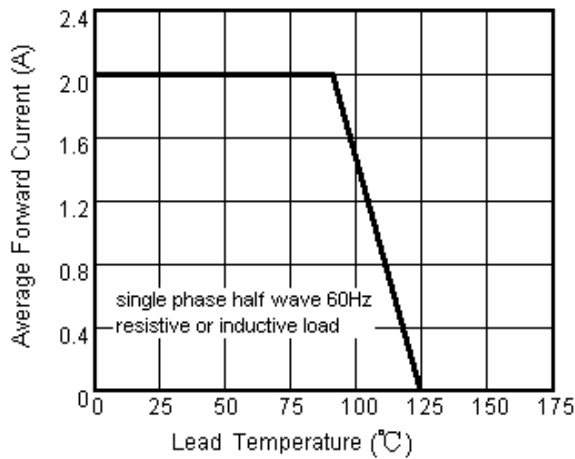
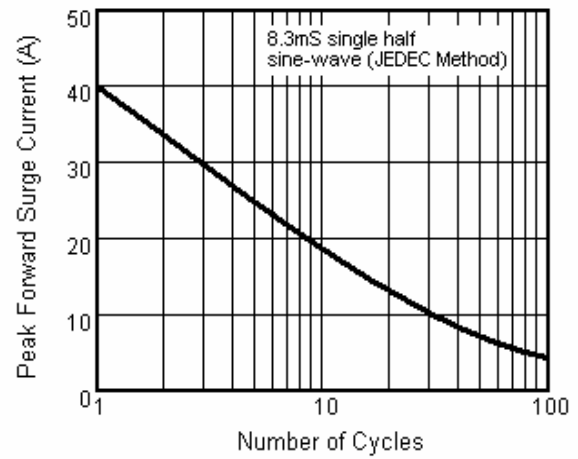
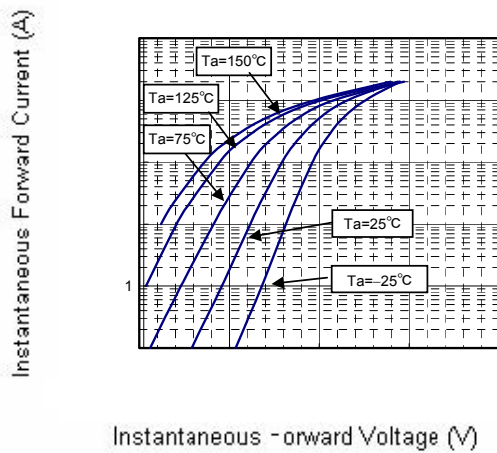
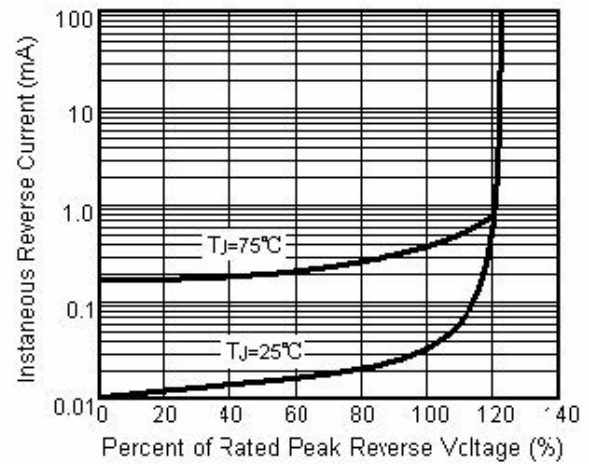
Maximum Ratings & Thermal Characteristics & Electrical Characteristics

(T_A = 25 °C unless otherwise noted)

	SYMBOLS	RB060M-60	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	60	VOLTS
Maximum RMS voltage	V _{RMS}	42	VOLTS
Maximum DC blocking voltage	V _{DC}	60	VOLTS
Maximum average forward rectified current	I _(AV)	2.0	Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	40.0	Amps
Maximum instantaneous forward voltage at 2.0A	V _F	0.70	Volts
Maximum DC reverse current T _A =25°C	I _R	0.5	mA
at rated DC blocking voltage T _A =100°C		10.0	
Typical junction capacitance (NOTE 1)	C _J	80	pF
Operating junction temperature range	T _J	-65 to +150	°C
Storage temperature range	T _{STG}	-65 to +150	°C

Note: 1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

Characteristic Curves ($T_A=25^\circ\text{C}$ unless otherwise noted)

Fig.1 Forward Current Derating Curve

Fig.2 Maximum Non-Repetitive Peak Forward Surge Current

Fig.3 Typical Instantaneous Forward Characteristics

Fig.4 Typical Reverse Characteristics


PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOD-123FL	3000/REEL	90000	40X20X22	5.00	4.00

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