

Features

- Ideal for automated placement
- Superior Reverse Avalanche Capability
- +175°C Operation Junction Temperature
- Low power loss, high efficiency, High Reliability
- High temperature soldering guaranteed:
260°C/10 seconds
- Component in accordance to
RoHS 2011/65/EU and WEEE 2002/96/EC

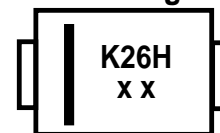


SOD-123FL

Mechanical Date

- **Case:** SOD-123FL
The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- **Terminals:** Solder plated, solderable per MIL-STD-750, Method 2026
- **Polarity:** Polarity symbols marked on case
- **Mounting Position:** Any

Marking



K26=Product Type Marking Code
H = High junction temperature
XX = Date Code

Maximum Ratings & Thermal Characteristics (T_A=25°C unless otherwise noted)

Items	Symbol	SBR2M60S1F	Unit
Maximum repetitive peak reverse voltage	V _{RRM}	60	V
Maximum RMS voltage	V _{RMS}	42	V
Maximum DC blocking voltage	V _{DC}	60	V
Average forward rectified current	I _{F(AV)}	2.0	A
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	50.0	A
Thermal resistance from junction to lead ⁽¹⁾	R _{θJL}	25.0	°C/W
Thermal resistance from junction to ambient ⁽¹⁾	R _{θJA}	80.0	°C/W
Operating junction and storage temperature range	T _J , T _{STG}	-65 to +175	°C

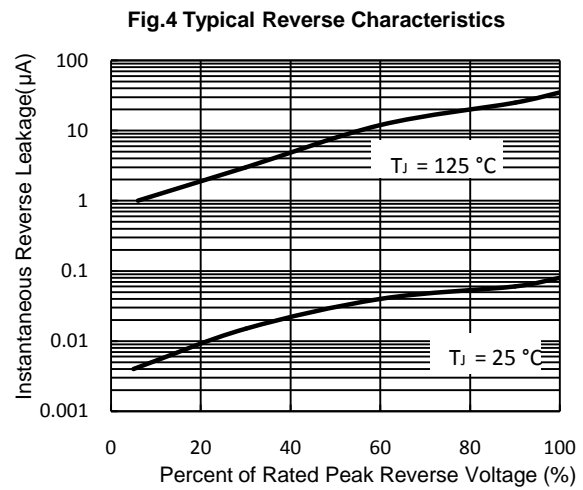
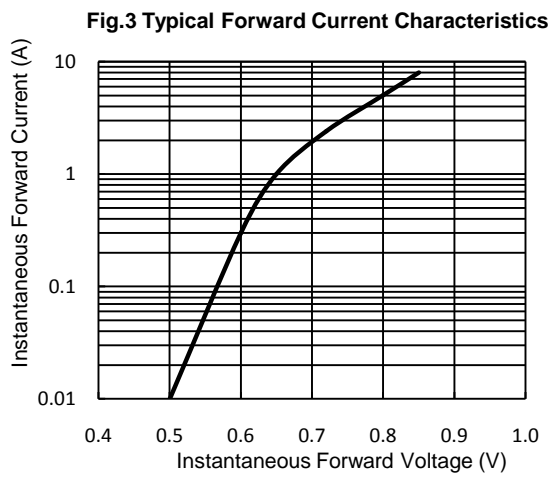
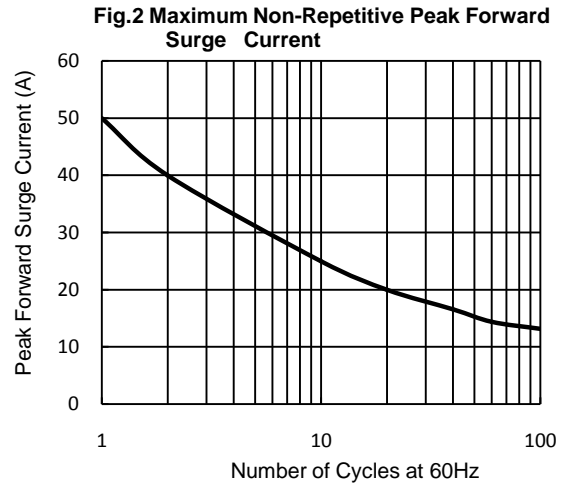
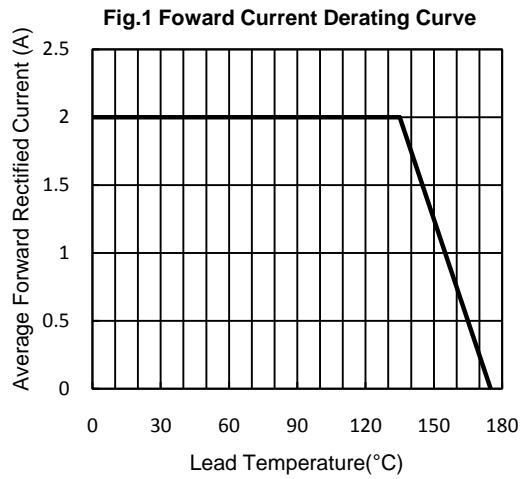
Note 1: Mounted on P.C.B. with 0.036 x 0.06" (0.9 x 1.5mm) copper pad areas.

Electrical Characteristics (T_A = 25 °C unless otherwise noted)

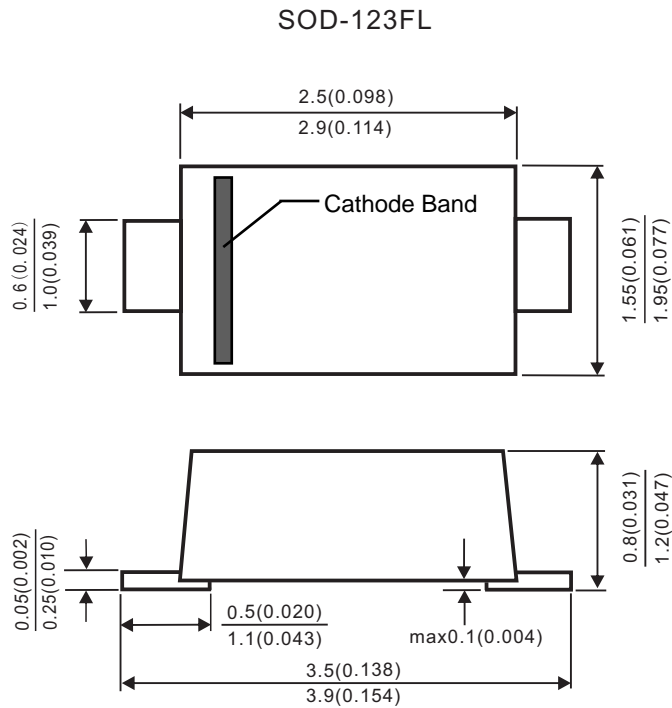
Items	Test conditions	Symbol	Min	Typ	Max	Unit
Instantaneous forward voltage	I _F =1A ⁽²⁾ , T _J =25°C	V _F	-	0.65	-	V
	I _F =2A ⁽²⁾ , T _J =25°C		-	-	0.74	
Reverse current	V _R =V _{DC}	I _R	-	0.1	0.7	μA
			T _J =125°C	-	60.0	

Note 2: Pulse test: 300μs pulse width, 1% duty cycle.

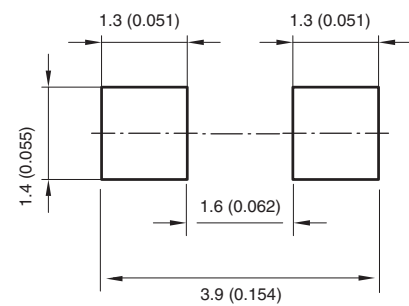
Characteristics Curves



Package Outline



Mounting Pad Layout



Dimensions in millimeters and(inches)

Ordering Information

Outline	Reel (PCS)	Per Carton (PCS)	Reel Diameters (mm)
Taping	3,000		178/7"

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Rectifiers](#) category:

Click to view products by [Leiditech](#) manufacturer:

Other Similar products are found below :

[70HFR40](#) [FR105 R0](#) [RL252-TP](#) [1N5397](#) [JANTX1N5634A](#) [1N4002G](#) [1N4005-TR](#) [JANS1N6640US](#) [481235F](#) [RRE02VS6SGTR](#) [067907F](#)
[MS306](#) [US2JFL-TP](#) [A1N5404G-G](#) [CRS12\(T5L,TEMQ\)](#) [ACGRB207-HF](#) [CLH07\(TE16L,Q\)](#) [CLH03\(TE16L,Q\)](#) [ACGRC307-HF](#)
[ACEFC304-HF](#) [DZ-1380](#) [NTE6356](#) [NTE6359](#) [JAN1N5555](#) [85HFR60](#) [40HFR60](#) [70HF120](#) [85HFR80](#) [D126A45C](#) [SCF7500](#) [SCHJ22.5K](#)
[SM100](#) [SCPA2](#) [SDHD5K](#) [ACGRA4001-HF](#) [D1821SH45T PR](#) [D1251S45T](#) [NTE6358](#) [NTE5850](#) [NTE5819](#) [NTE5837](#) [NTE5892](#) [NTE5900](#)
[NTE5911](#) [NTE5915](#) [NTE5921](#) [NTE6104](#) [NTE6105](#) [NTE6154](#) [NTE6158](#)