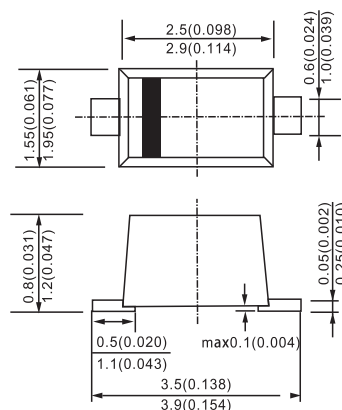


**FEATURES**

- Small power mold type
- Low forward voltage
- Low reverse current
- High reliability

MECHANICAL DATA

- **Case:** SOD-123FL, molded plastic
- **Epoxy:** UL 94V-0 rate flame retardant
- **Lead:** Lead formed for surface mount
- **Polarity:** Color band denotes cathode end
- **Mounting Position:** Any

SOD-123FL

Dimensions in millimeters

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**●Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current (*1)	I_O	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	30	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

(*1) Mounted on epoxy board. 180° Half sine wave

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.60	0.65	V	$I_F=1.0A$
Reverse current	I_R	-	0.05	0.55	μA	$V_R=40V$



RATINGS AND CHARACTERISTIC CURVES

RB168M-40

