

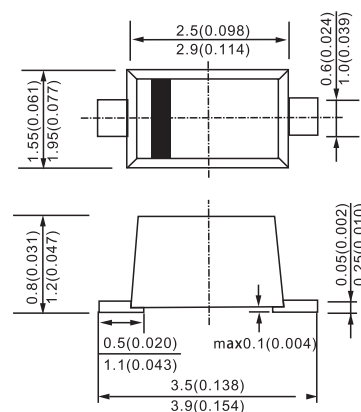
FEATURES

- 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 peak)	V_{RM}	30	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current	I_O	1	A
Forward current surge peak (60Hz · 1cyc)	I_{FSM}	5	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	0.33	0.37	V	$I_F=700mA$
	V_{F2}	-	0.38	0.42	μA	$I_F=1A$
Reverse current	I_R	-	0.2	1	mA	$V_R=20V$

RATINGS AND CHARACTERISTIC CURVES

RB161VA-20

