



Current Regulative Diode

Description

YT20MA is diode which supplies constant current to an electric circuit, even when power supply voltage fluctuations or load impedance fluctuations occur. YT20MA is used for current stabilization and current limiting.



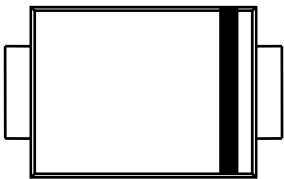
Features

- Silicon technology
- Low power loss
- high efficiency
- Eliminate voltage overshoot
- Epoxy resin package
- Will not fatigue
- RoHS Compliant

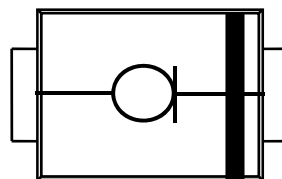
Echanical Characteristics

- Package: SOD-123FL
- Lead Finish: Matte Tin
- Case Material: Epoxy Molding Compound.
- UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020

Marking Information



Pin Configuration



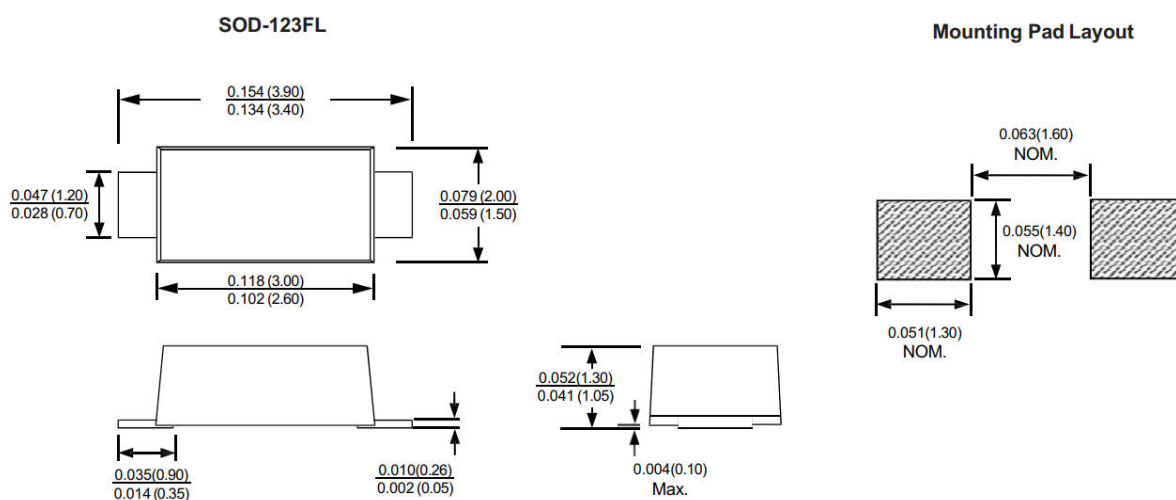
Absolute Maximum Ratings

Parameter	Symbol	Value	Units
Operating Temperature Range	T_J	-55 to 150	°C
Storage Temperature Range	T_{STG}	-55 to 150	°C

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

Part Number	Pinch-Off Current $I_P @ V=20V$		Active Voltage V_K	Max. Voltage Loading $V_B \text{ max}$	Max. Power Loading P_D
	min	max	$V_K @ 0.8I_{Pmin}$	$V_B @ 1.1I_{Pmax}$	max
	[mA]	[mA]	Max [V]	[V]	[w]
YT20MA	16	24	3.5	190	0.5

Package Outline Dimensions in inches (millimeters)



Summary of Packing Options

Package	Packing Description	Packing Quantity
SOD-123FL	Tape/Reel, 7" reel	3000