

Surface Mount - 15-80mA

Description

YTxMA is diode which supplies constant current to an electric circuit, even when power supply voltage fluctuations or load impedance fluctuations occur. YTxMA 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

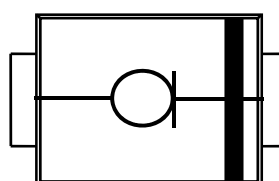
Mechanical Characteristics

- Package: SMB
- 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



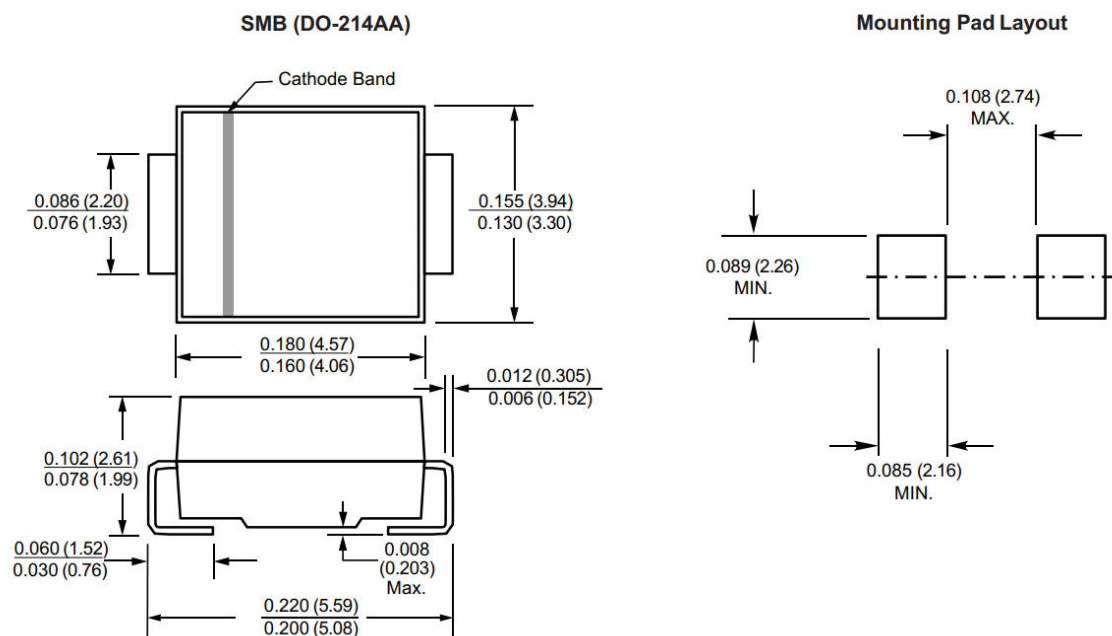
Absolute Maximum Ratings

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]
YT15MA	12	18	3.2	190	1.2
YT20MA	16	24	3.5	190	1.2
YT25MA	22.5	27.5	4.0	190	1.2
YT30MA	27	33	4.8	190	1.2
YT40MA	36	44	6.0	190	1.2
YT60MA	54	66	7.0	190	1.2
YT80MA	72	88	8.0	190	1.2

Package Outline Dimensions in inches (millimeters)



Summary of Packing Options

Package	Packing Description	Packing Quantity
SMB	Tape/Reel, 13" reel	3000