

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- Current 5.0 Ampere
- Vr 45 Volts

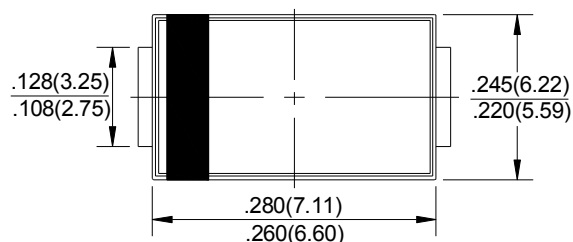
MECHANICAL DATA

Case : JEDEC DO-214A(B)A molded plastic body

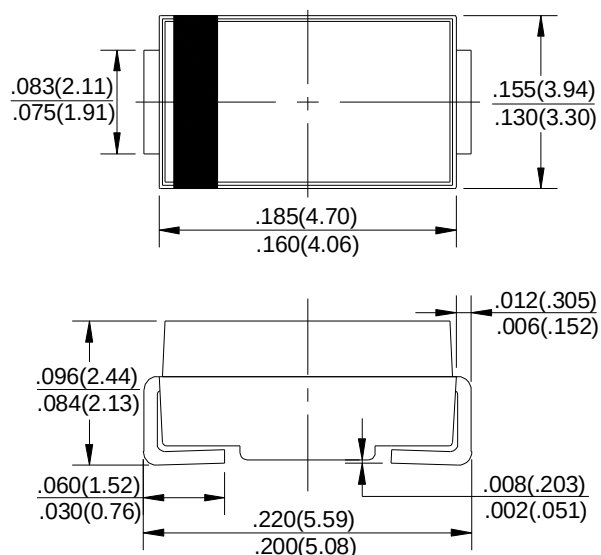
Polarity : Color band denotes cathode end

Mounting Position : Any

DO-214AB (SMC)



DO-214AA (SMB)



Dimensions in inches and (millimeters)

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Forward Voltage at $I_F = 100\text{ mA}$	V_F	0.55	V
Reverse Voltage	V_R	45	V
Average Forward Current	I_{FAV}	5	A
Forward Surge Current at 8.3ms	I_{FSM}	125	A
Reverse Current at $V_R = 45\text{V}$	I_R	30	uA
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 125	$^\circ\text{C}$

RATING AND CHARACTERISTIC CURVES SS54

