

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 1.0 Ampere
- Vr 45 Volts

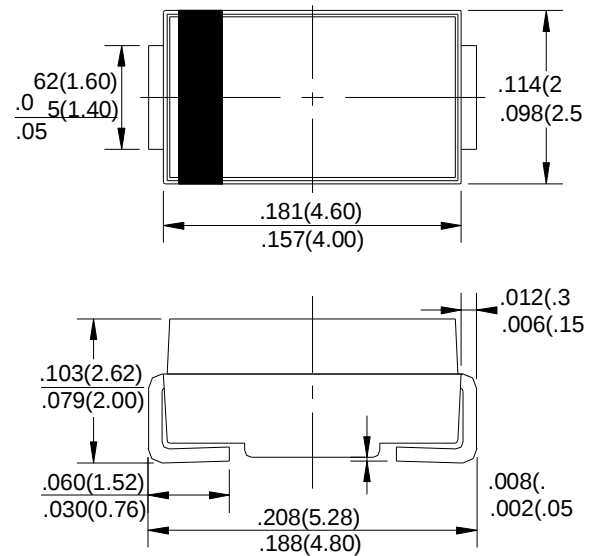
MECHANICAL DATA

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

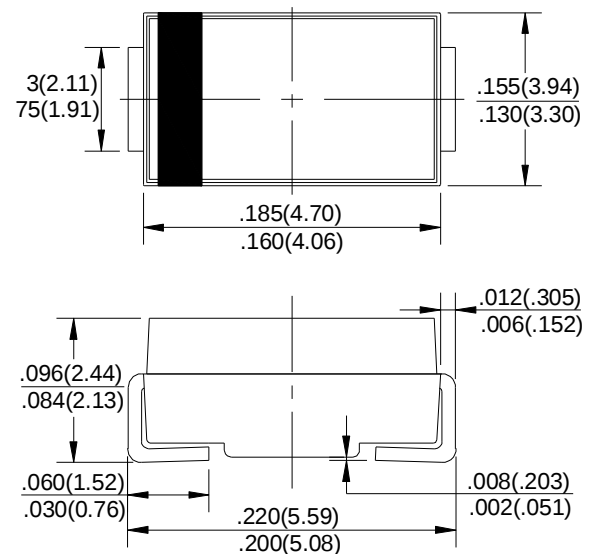
Polarity : Color band denotes cathode end

Mounting Position : Any

DO-214AC (SMA)



DO-214AA (SMB)



Dimensions in inches and (millimeters)

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Forward Voltage at I _F = 100 mA	V _F	0.55	V
Reverse Voltage	V _R	45	V
Average Forward Current	I _{FAV}	1	A
Forward Surge Current at 8.3ms	I _{FSM}	30	A
Reverse Current at V _R = 45V	I _R	50	uA
Junction Temperature	T _j	100	°C
Storage Temperature Range	T _{stg}	- 55 to + 125	°C

RATING AND CHARACTERISTIC CURVES SS14

FIG. 1- FORWARD CURRENT DERATING CURVE

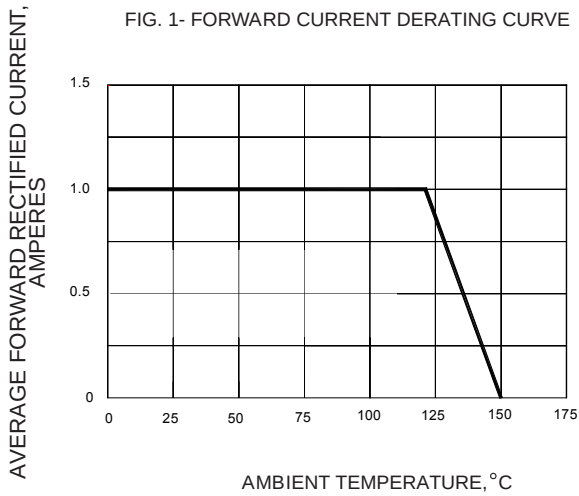


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

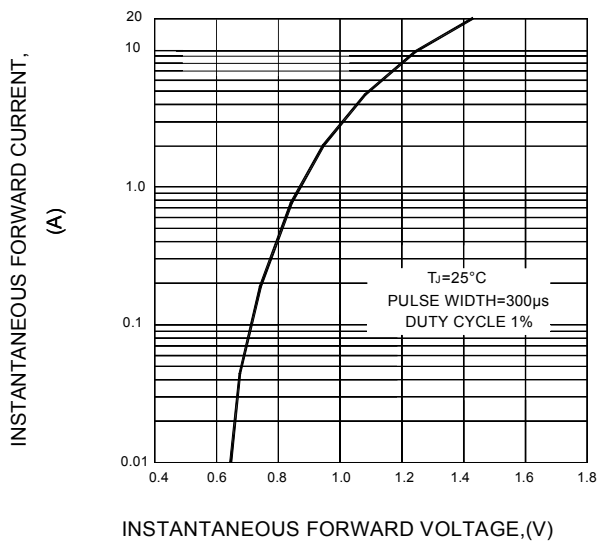
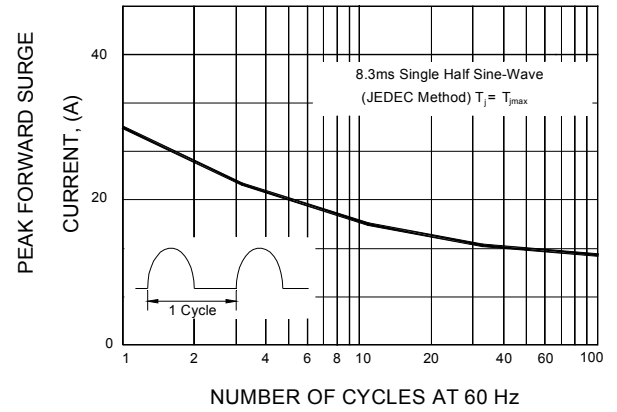


FIG.4-TYPICAL REVERSE CHARACTERISTICS

