

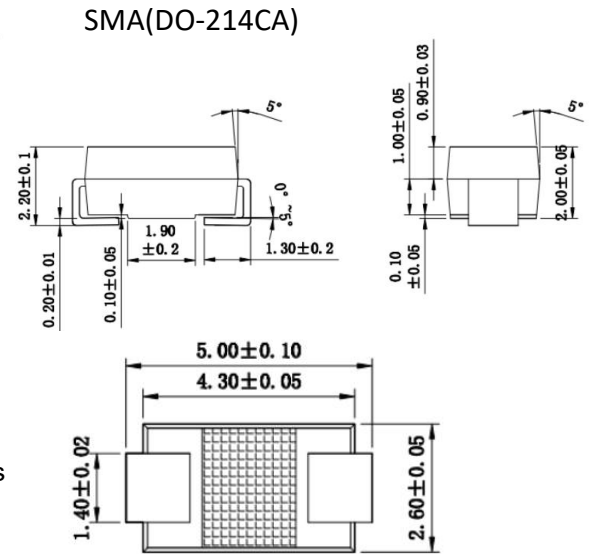
B240A

Surface Mount Schottky Barrier Rectifiers



Features

- Plastic package Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Low profile package
- Built-in strain relief
- Metal to silicon rectifier.majority carrier conduction
- Low power loss,high efficiency
- High surge capacity
- High current capacity,low VF
- For use in low voltage high frequency inverters,free wheeling and polarity protection applications.
- High temperature soldering guaranteed:260°C/10 seconds at terminals



Dimensions in inches and (millimeters)

Mechanical Data

- Terminal: Plated leads, solderable per MIL-STD-750,Method 2026
- Case: molded plastic SMA(DO-214CA)
- Polarity: Color band denotes positives end(cathode)
- Standard packaging:12mm tape(EIA-481)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.
Single Phase, half wave, 60Hz, resistive or inductive

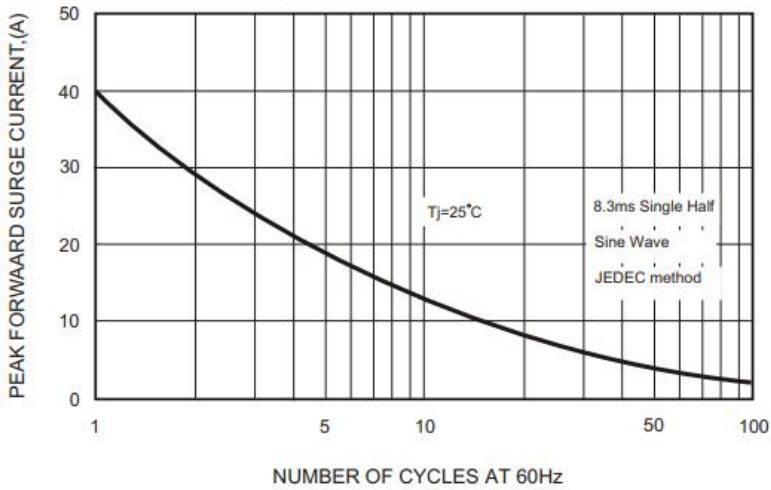
Type Number	SYMBOL	B240A	unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS Voltage	V_{RMS}	28	V
Maximum DC blocking Voltage	V_{DC}	40	V
Maximum Average Forward Rectified Current .at TA =55°C	$I_{F(AV)}$	2	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	50	A
Maximum Forward Voltage at 1.5A DC	V_F	0.55	V
Maximum DC Reverse Current @TA =25°C At rated DC blocking voltage @TA=100°C	I_R	0.5	mA
		5	mA
Typical Thermal Resistance (Note 2)	$R_{(JA)}$	80	°C /W
Storage Temperature	T_{STG}	-55 to +150	°C
Operation Junction Temperature	T_J	-55 to +125	°C

load. For capacitive load, derate current by 20%.

Note: 1. Pulse Test with PW=300µsec,2% Duty Cycle.

2. Mounted on P.C.Board with 5.0mm(0.13mm thick)copper pad areas.

MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT



TYPICAL REVERSE CHARACTERISTICS

