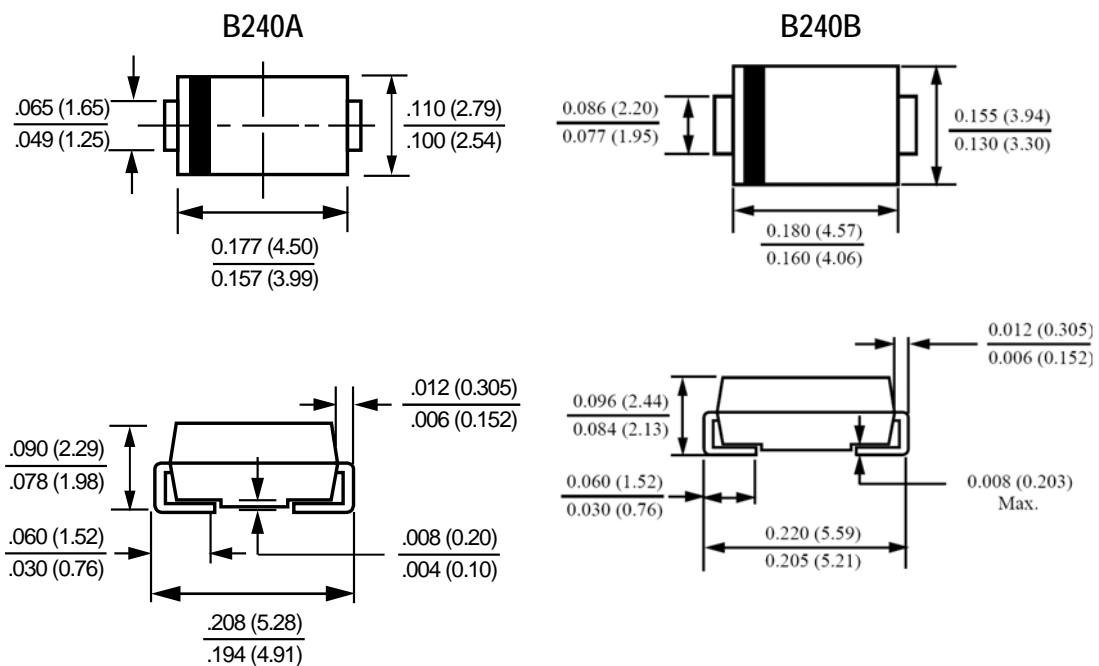


**2.0A Surface Mount Schottky Barrier Rectifier**

❖ **PACKAGE OUTLINE**



❖ **FEATURES**

- Low profile package
- Ideal for automated placement
- Guard Ring for over voltage protection
- Low forward voltage drop
- Component in accordance to RoHS 2002/95/EC

❖ **MECHANICAL DATAPIN ASSIGNMET**

- Case: DO-214AC (B240A), DO-214AA (B240B)
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Terminals: Lead Free Plating (Tin Finish). Solder able per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 0.062/0.095 grams (approximate)

❖ ORDER/MARKING INFORMATION

Order Information	Top Marking
<p> <b>B</b> X X X X <b>G</b>                      Peak Current 2: 2A                      Voltage 40: 40V                      Type                      A: DO-214AC                      B: DO-214AA                 </p>	<p> <b>AXE</b> <b>B 240</b> <b>X X G</b> <b>Y W</b>                      W: 01-26(A-Z)                      27-52(a-z)                      Y: 6 = 2006                      A = 2010                      ID code: internal                      A: B240A / B: B240B                 </p>

❖ MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

T<sub>A</sub>=25°C (unless otherwise noted)

Characteristics	Symbol	Value	Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	40	V
Maximum RMS Reverse Voltage	V <sub>RMS</sub>	28	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	40	V
Maximum Average Forward Rectified Current	I <sub>F</sub>	2.0	A
Peak Forward Surge Current, 8.3ms Single Half	I <sub>FSM</sub>	50	A
Maximum Instantaneous Forward Voltage I <sub>F</sub> =2A@T <sub>A</sub> =25°C	V <sub>F</sub>	0.5	V
Maximum DC Reverse Current At Rated DC Blocking Voltage	T <sub>A</sub> =25°C	0.5	mA
	T <sub>A</sub> =100°C	15	
Typical Junction Capacitance	C <sub>J</sub>	70	pF
Typical Thermal Resistance	R <sub>θJA</sub>	80	°C/W
	R <sub>θJC</sub>	50	
Operating Temperature Range	T <sub>J</sub>	-55 to +125	°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150	°C

❖ TYPICAL CHARACTERISTICS

