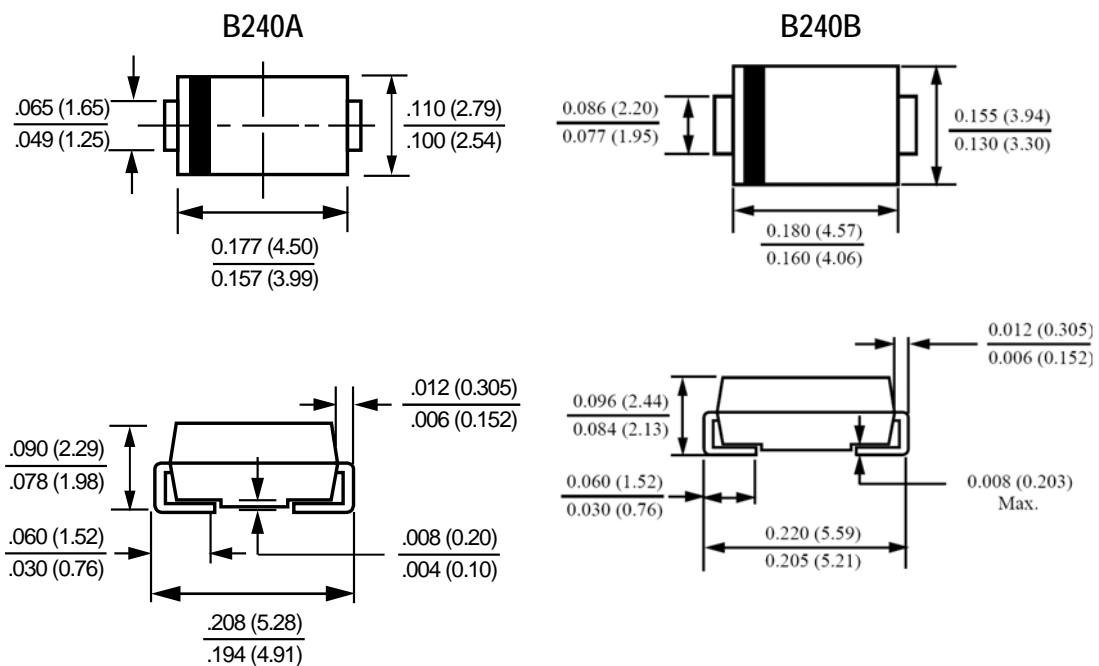


2.0A Surface Mount Schottky Barrier Rectifier

❖ **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>Peak Current 2: 2A</p> <p>Voltage 40: 40V</p> <p>Type A: DO-214AC B: DO-214AA</p>	<p>W : 01~26(A-Z) 27~52(a-z) Y : 6 = 2006 A = 2010</p> <p>ID code :internal A: B240A / B: B240B</p>

❖ MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

T_A=25°C (unless otherwise noted)

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

❖ TYPICAL CHARACTERISTICS

