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#### SCHOTTKY BARRIER RECTIFIERS

#### FEATURES

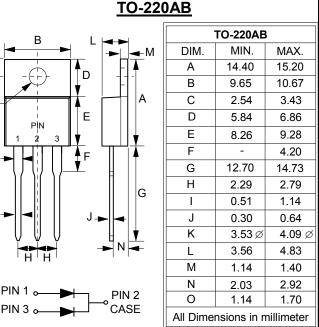
- · Metal of silicon rectifier, majority carrier conduction
- Guard ring for transient protection
- Low power loss, high efficiency
- High current capability, low VF
- High surge capability
- Plastic package has UL flammability classification 94V-0
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications

#### **MECHANICAL DATA**

- Case: TO-220AB molded plastic
- Polarity : As marked on the body
- Weight: 0.08 ounces, 2.24 grams
- Mounting position: Any
- Max. mounting torque=0.5 N.m(5.1 Kgf.cm)



SBL3030CT thru 3045CT



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified.

30 21 30	40 28 40 30 250	45 31 45	V V V A A
	40 30		V A
30	30	45	A
	250		A
0.55		v	
0.5 50		mA	
	450		Р
1.8		°C/W	
-55 to +125		°C	
1			°C
			-55 to +125 -55 to +150

С

4

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Note :

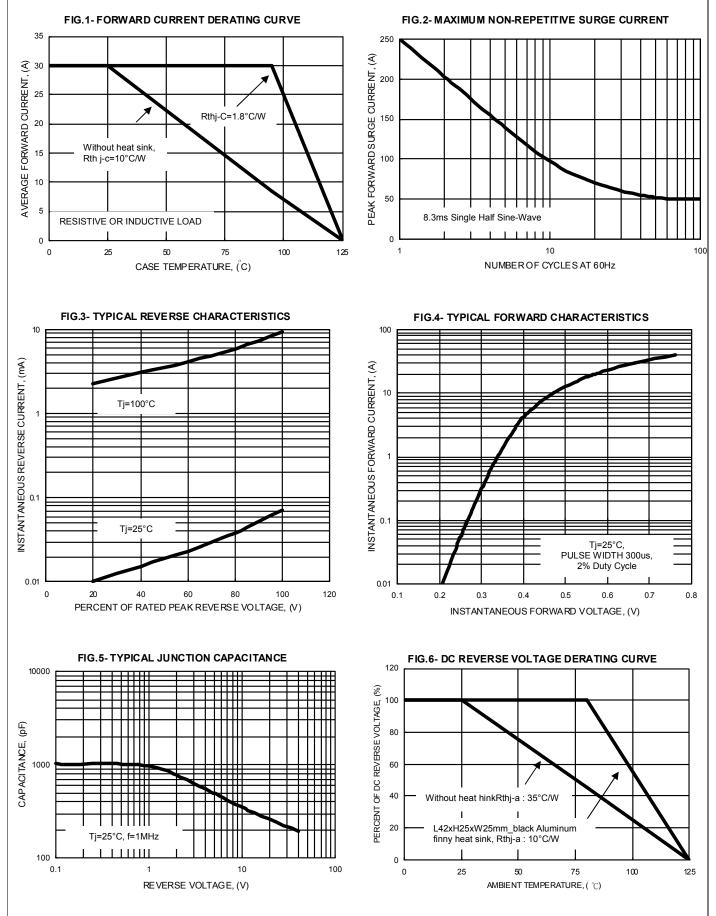
REV.4, May-2012, KTHC62

(1) 300us Pulse Width, 2% Duty Cycle.

(2) Measured at 1.0MHz and applied reverse voltage of 4.0  $V_{\text{DC}}.$ 

(3) Thermal Resistance Junction to Case, device mounted on L200xW200xH2mm\_copper heat sink.

## RATING AND CHARACTERISTIC CURVES SBL3030CT thru SBL3045CT





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