

**VOLTAGE RANGE: 20V**

**CURRENT: 3A**

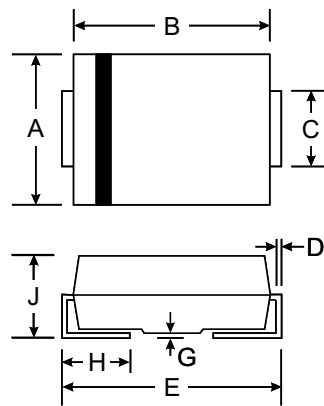
### Features

- For Surface Mounted Applications
- High Temperature Metallurgically Bonded Contacts  
Plastic Material - UL Flammability  
Classification 94V-0
- High Reliability
- High Current Capability and Low VF
- Submersible Temperature of 265°C for  
10 Seconds in Solder Bath



### Mechanical Data

- Case: SMB/DO-214AA, Molded Plastic
- Terminals: Solder Plated, Solderable  
per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.093 grams (approx.)



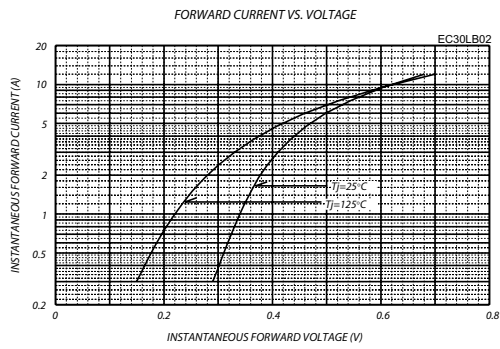
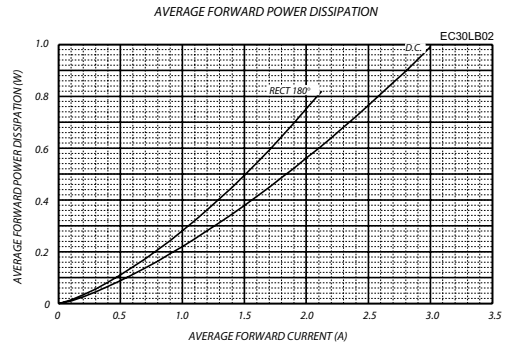
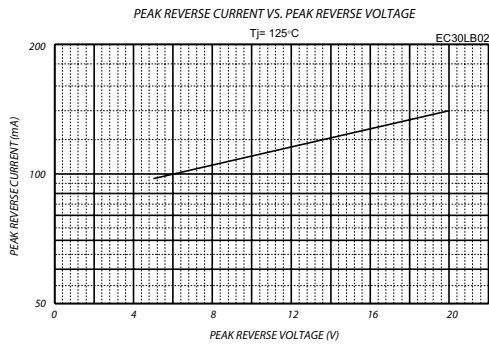
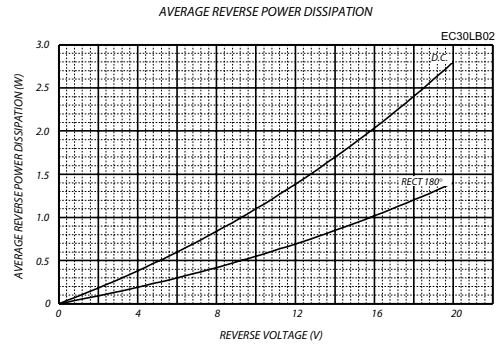
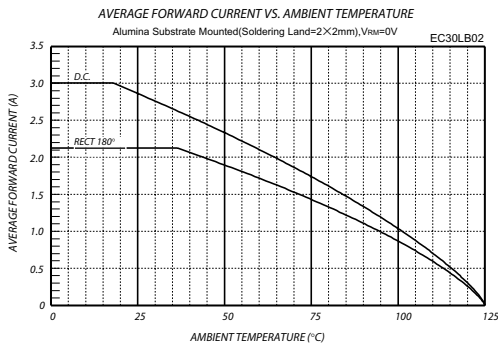
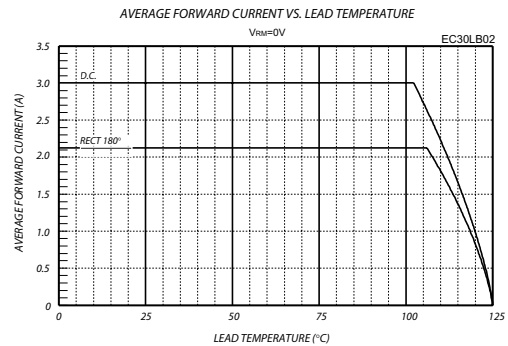
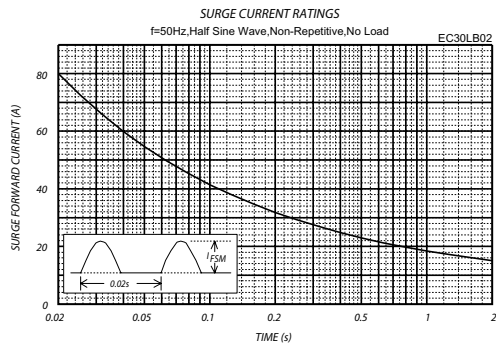
SMB(DO-214AA)		
Dim	Min	Max
A	3.30	3.94
B	4.06	4.70
C	1.91	2.21
D	0.15	0.31
E	5.00	5.59
G	0.10	0.20
H	0.76	1.52
J	2.00	2.62
All Dimensions in mm		

### Maximum Ratings @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	20	V
Direct Forward Current <small>T<sub>a</sub>=102°C* T<sub>l</sub>:Lead Temperature T<sub>a</sub>=28°C*</small>	I <sub>DC</sub>	3.0 2.8	A A
Surge Forward Current 50Hz Half Sine Wave, I <sub>cycle</sub> , Non-repetitive	I <sub>FSM</sub>	80	A
Operating Junction Temperature Range	T <sub>jw</sub>	-40 ~ +125	°C
Storage Temperature Range	T <sub>stg</sub>	-40 ~ +125	°C

### Electrical Characteristics @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Peak Reverse Current T <sub>j</sub> =25°C, V <sub>RM</sub> =V <sub>RRM</sub>	I <sub>RM</sub>	—	—	1	mA
Peak Forward Voltage T <sub>j</sub> =25°C, I <sub>FM</sub> =3.0A	V <sub>FM</sub>	—	—	0.41	V
Thermal Resistance Junction to Ambient Junction to Lead	R <sub>th(j-a)</sub>	—	—	108	°C/W
	R <sub>th(j-l)</sub>	—	—	23	°C/W

**FIG.1**

**FIG.2**

**FIG.3**

**FIG.4**

**FIG.5**

**FIG.6**

**FIG.7**

**FIG.8**
