

VOLTAGE RANGE: 20V

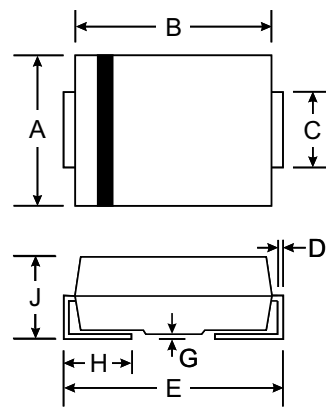
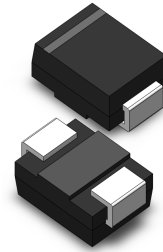
CURRENT: 3A

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.)



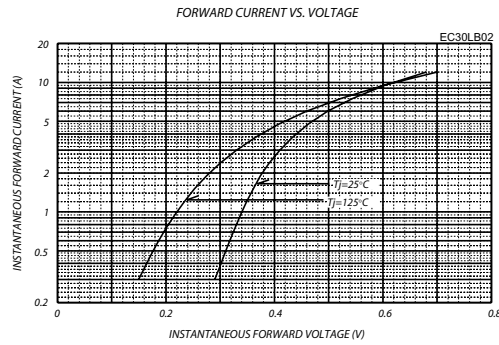
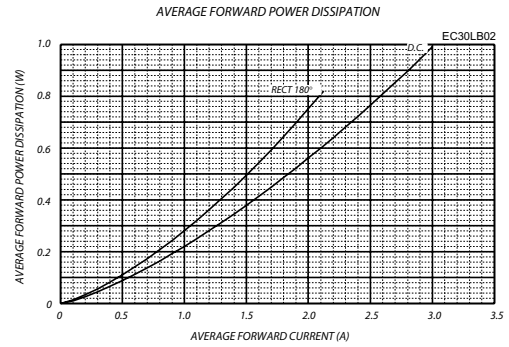
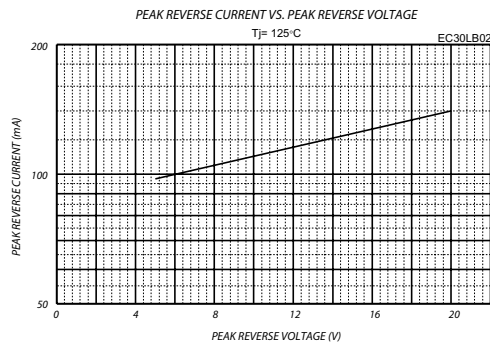
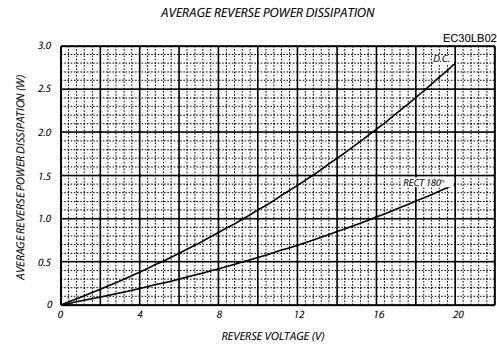
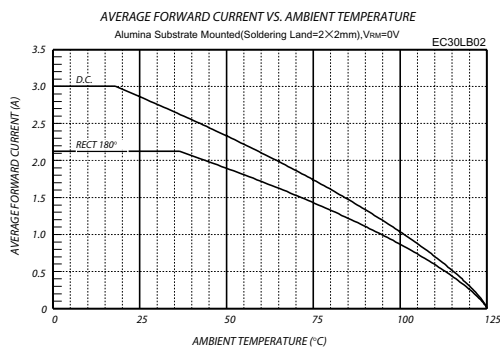
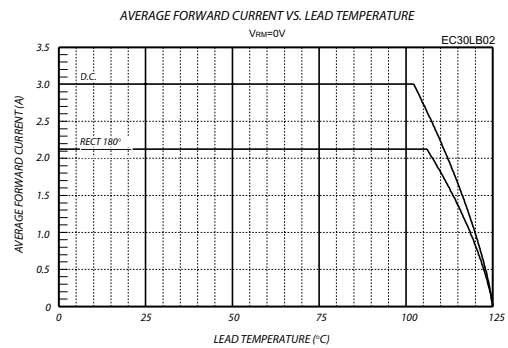
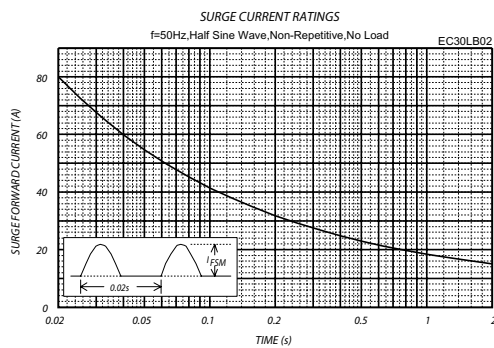
SMB(DO-214AA)		
Dim	Min	Max
A	3.30	3.94
B	4.06	4.70
C	1.91	2.21
D	0.15	0.31
E	5.00	5.59
G	0.10	0.20
H	0.76	1.52
J	2.00	2.62
All Dimensions in mm		

Maximum Ratings @ T_A = 25°C unless otherwise specified

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

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Peak Reverse Current T _j =25°C, V _{RM} =V _{RRM}	I _{RM}	—	—	1	mA
Peak Forward Voltage T _j =25°C, I _{FM} =3.0A	V _{FM}	—	—	0.41	V
Thermal Resistance	R _{th(j-a)}	—	—	108	°C/W
	R _{th(j-l)}	—	—	23	°C/W

FIG.1

FIG.2

FIG.3

FIG.4

FIG.5

FIG.6

FIG.7

FIG.8
