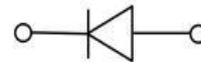


Features

- Low profile package
- Ideal for automated placement
- High efficiency operation
- Low forward voltage drop
- Guard ring for enhanced ruggedness and long term reliability
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C



Typical Application

For use in switching power supplies, converters, freewheeling diodes and reverse battery protection.

Mechanical Data

- Package: DO-214AA(SMB)
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Cathode line denotes the cathode end

Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions	SSL3		
				4B	6B	10B
Repetitive Peak Reverse Voltage	V_{RRM}	V		40	60	100
Average Rectified Output Current	I_O	A	60HZ One-way half-wave, R-load, Ta=75°C	3.0		
Surge(Nonrepetitive)Forward Current	I_{FSM}	A	60HZ Half-sine wave, 1 cycle, Tj=25°C	60		
Storage Temperature	T_{stg}	°C		-55 ~ +150		
Junction Temperature	T_j	°C		-55 ~ +150		

Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditions	SSL3		
				4B	6B	10B
Peak Forward Voltage	V_{FM}	V	$I_{FM} = 3.0A$	0.45	0.5	0.6
Peak Reverse Current	I_{RRM}	mA	$V_{RM} = V_{RRM}$, Ta=25°C	0.5		
Thermal Resistance(Typical)	$R_{\theta J-L}$	°C/W	Between junction and lead	17		

■ Characteristics (Typical)

FIG1: Forward Current Derating Curve

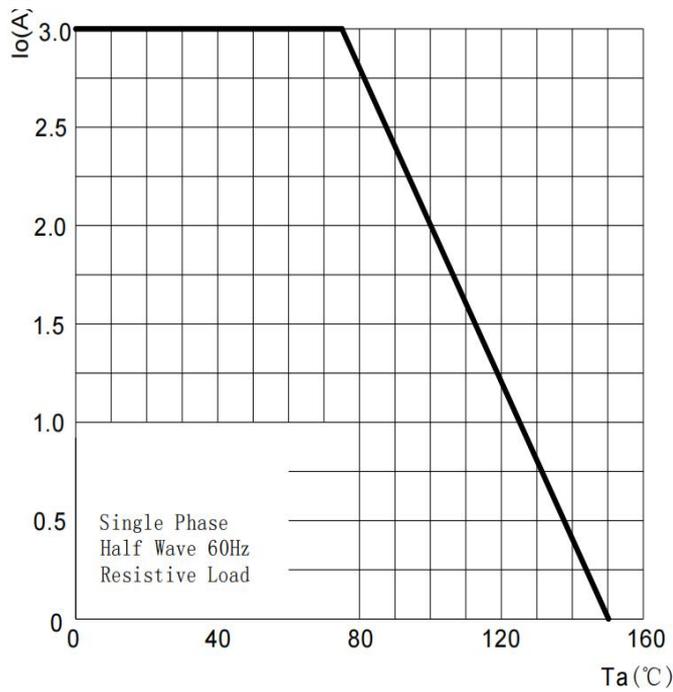


FIG2: Surge Forward Current Capability

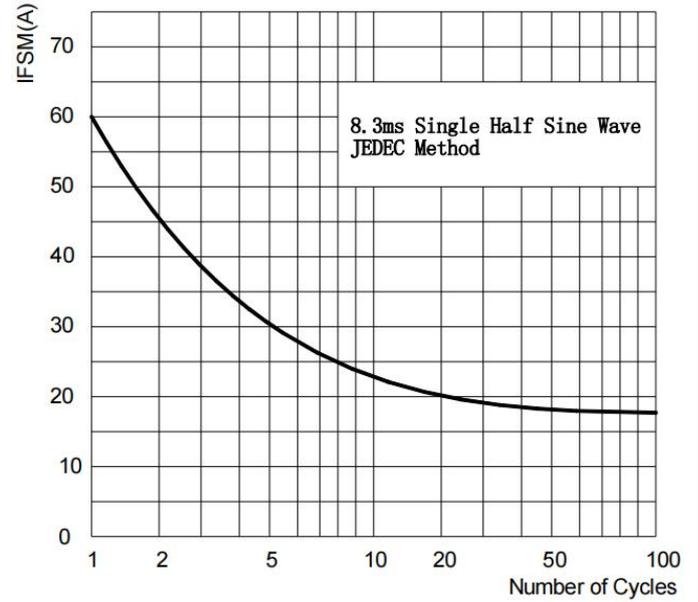


FIG3: Forward Voltage

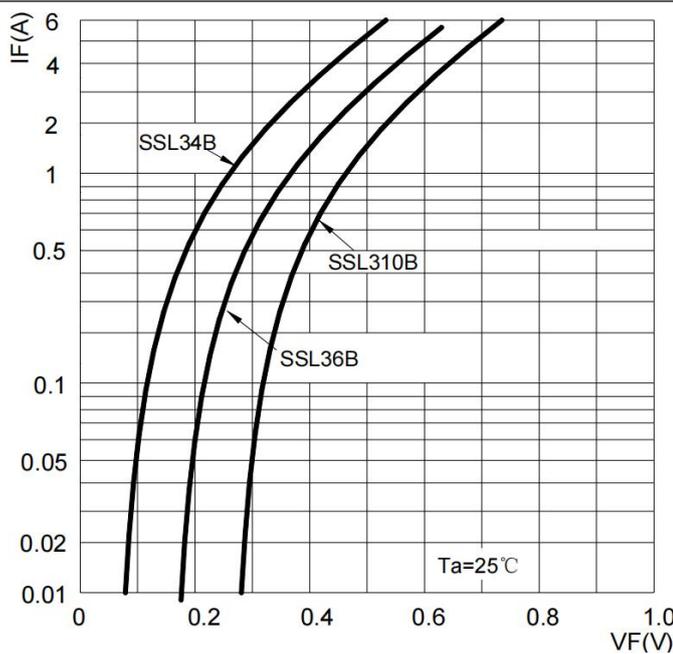
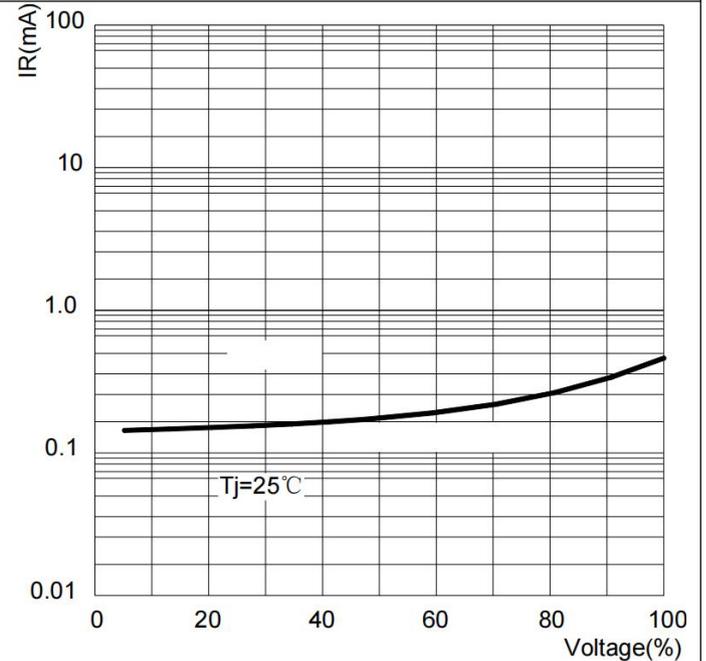


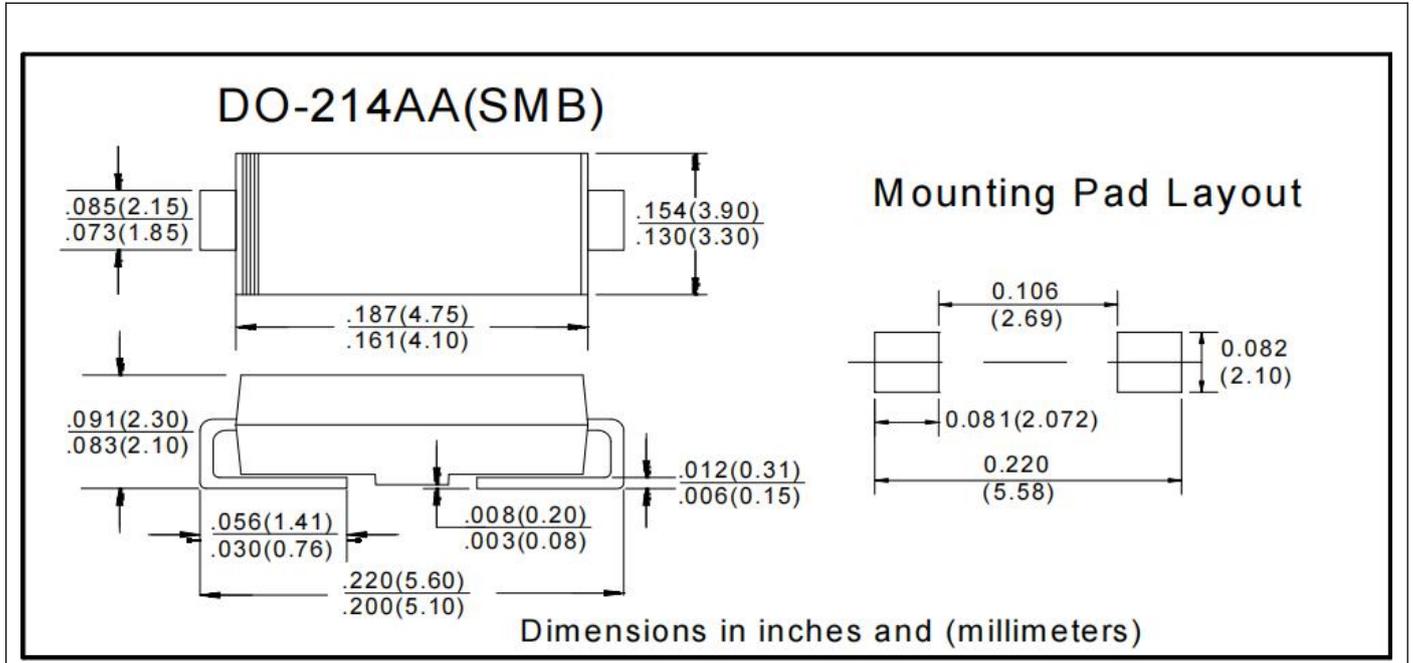
FIG4: Typical Reverse Characteristics



Ordering Information (Example)

PREFERED	PACKAGE CODE	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SSL34B ~ SSL310B	DO-214AA(SMB)	3000	6000	48000	13" reel

Outline Dimensions



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