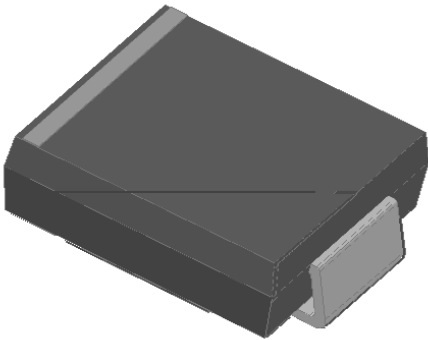


Typical Applications

For use in low voltage high frequency inverters, freewheeling, DC/DC converters, and polarity protection applications.

Mechanical Data

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

■ Maximum Ratings (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	SS845
Device marking code			SS845
Repetitive Peak Reverse Voltage	V_{RRM}	V	45
Average Rectified Output Current @60Hz sine wave, Resistance load, Ta (FIG.1)	I_O	A	8.0
Surge(Non-repetitive)Forward Current @60Hz Half-sine wave,1 cycle, Ta=25	I_{FSM}	A	120
Storage Temperature	T_{stg}		-55 ~+150
Junction Temperature	T_j		-55~+125

■ Electrical Characteristics (Ta=25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SS845
Maximum instantaneous forward voltage drop per diode	V_F	V	$I_{FM}=8.0A$	0.60
Maximum DC reverse current at rated DC blocking voltage per diode	I_R	mA	Ta=25	0.2
			Ta=100	20
Typical junction capacitance	C_j	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C.	450

Note1:Pulse test:300uS pulse width,1% duty cycle

Note2:Pulse test:pulse width 40mS



■ Outline Dimensions

DO-214AB (SMC)		
Dim	Min	Max
A	6.60	7.11
B	2.85	3.27
C	5.59	6.22
D	7.75	8.13
E	1.99	2.61
F	0.15	0.31
G	0.76	1.52
H	0.05	0.20

■ Suggested pad layout

DO-214AB (SMC)



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