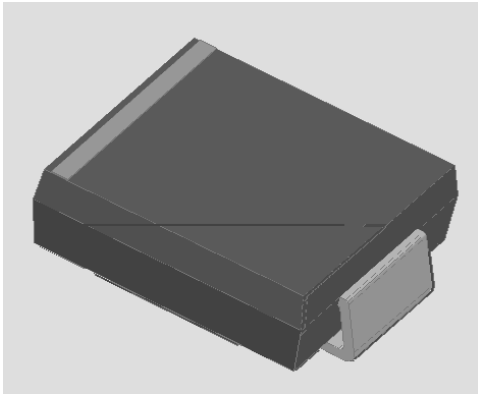


GifZUWY'Acibh'GW\chh\_m'FYWh]Z]Yf'

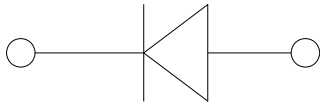


:YUhi fYg

- Guardring for overvoltage protection
- Low power loss
- Extremely fast switching
- High forward surge capability
- High frequency operation
- Meets MSL level 1, per J-STD-020, LF maximum peak of 260 °C
- Part no. with suffix "Q" means AEC-Q101 qualified

Hmd]WU' 5dd']WUh]cbg'

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



'AYW\Ub]WU' 8UHu'

- DUW\_U[Y: DO-214AB (SMC)
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- HYf a]bU'g': Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Dc'Uf]hm. Color band denotes the cathode end

AUI]a i a'FUh]b]g'(Ta=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@	IB-H'	GG,%\$E'
Device marking code			SS810
Repetitive peak reverse voltage	$V_{RRM}$	V	100
Maximum RMS voltage	$V_{RMS}$	V	70
Maximum DC blocking voltage	$V_{DC}$	V	100
Maximum average forward rectified current at $T_L$ (Fig.1)	$I_O$	A	8.0
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, $T_J=25$	$I_{FSM}$	A	150
Voltage rate of change (rated $V_R$ )	dV/dt	V/ $\mu$ s	10000
Storage temperature	$T_{stg}$		-55 ~+175
Junction temperature	$T_J$		-55 ~+175

9'YWhf]WU' 7 \UfUWhYf]gh]Wg'(Ta=25 Unless otherwise specified)

D5F5A9H9F'	GMA6C@	H9GH'7CB8-H-CBG'	HMD'	A5L'	IB-H'
Instantaneous forward voltage	$V_F$	$I_F=8A$	$T_J=25$	0.76	V
			$T_J=125$	-	
Reverse current	$I_R$	Rated $V_R$	$T_J=25$	0.8	$\mu$ A
			$T_J=125$	-	
Typical junction capacitance	$C_J$	$V_R=4V, f=1MHz$	270	-	pF





Cih]bY'8]aYbg]cbg''

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

Gi [[YghYX'dUX''Umc ih'



DO-214AB (SMC)	
Dim	Min
P1	9.9
P2	3.84
Q1	3.03
Q2	3.82

Dimensions in millimeters



·GG, %\$E·

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8]gW'U]a Yf·

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