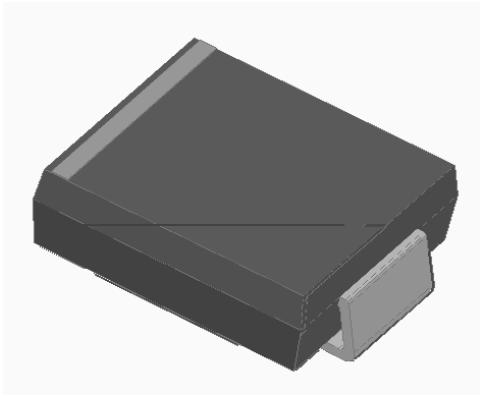
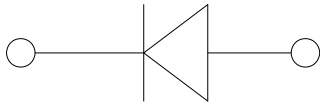


'AYYhg'AG@`Y j Y`% ž 'dYf' > !GH8!\$&\$ ž '@
'cZ'& * \$' š 7'
'DUfh'bc " ' k]h\`g iÆ]Î'' á YUbg'597!E%\$%' e



Hmd]WU` 5 dd`]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			SS820
Repetitive peak reverse voltage	V _{RRM}	V	200
Maximum RMS voltage	V _{RMS}	V	140
Maximum DC blocking voltage	V _{DC}	V	200
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/μs	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	0.8	V
			T _J =125	-	
Reverse current	I _R	Rated V _R	T _J =25	-	10
			T _J =125	-	200
Typical junction capacitance	C _J	V _R =4V,f=1MHz	165	-	pF



Thermal Resistance (Ta=25 Unless otherwise specified)

D5F5A9H9F		GMA6C@	IB:H	GG, &E
Thermal Resistance	Between junction and ambient	R _{J-A}	/W	45 ⁽¹⁾
	Between junction and lead	R _{J-L}		12 ⁽¹⁾

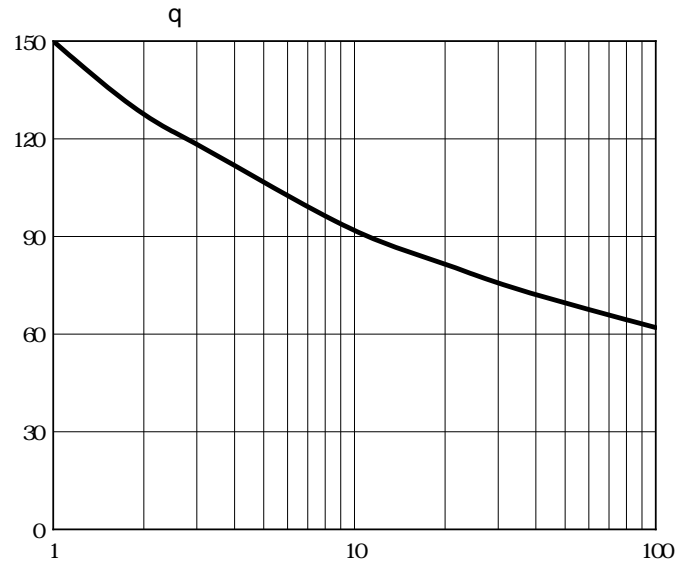
Note (1)

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.6" x 0.6" (16 mm x 16 mm) copper pad areas

Example

DF9:9F98'D:B	D57?5;9 7C89	IB:H K9; <Hfi[L	A-B-A IA D57?5; 9fidWgl	CIH9F'75FHCB E I 5BH-HMfidWgl	89@=J9FM AC89
SS820Q	F1	Approximate 0.254	3000	42000	13" reel

Thermal Resistance (Typical)





C i h`bY`8]a Ybg]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

G i [[YghYX`dUX`Umc i h`

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



Dimensions in millimeters



Yangjie

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