THERMAL PERFORMANCE

PARAMETER	SYMBOL	TYP	UNIT
Junction-to-lead thermal resistance	$R_{\Theta JL}$	25	°C/W
Junction-to-ambient thermal resistance	$R_{\Theta JA}$	66	°C/W

ELECTRICAL SPECIFICATIONS (T_A = 25°C unless otherwise noted)

PARAMETER		CONDITIONS	SYMBOL	TYP	MAX	UNIT
Forward voltage[1]	SK32A SK33A SK34A	I_F = 3A, T_J = 25°C	V_F	-	0.55	V
	SK35A SK36A			-	0.72	V
	SK39A SK310A			-	0.85	V
	SK315A SK320A			-	0.95	V
Reverse current @ rated V_R[2]	SK32A SK33A SK34A	T_J = 25°C	I_R	-	0.5	mA
	SK35A SK36A			-	0.2	mA
	SK39A SK310A SK315A SK320A			-	0.1	mA
Reverse current @ rated V_R[2]	SK32A SK33A SK34A	T_J = 100°C	I_R	-	10	mA
	SK35A SK36A			-	5	mA
	SK39A SK310A SK315A SK320A			-	-	mA
Reverse current @ rated V_R[2]	SK32A SK33A SK34A	T_J = 125°C	I_R	-	-	mA
	SK35A SK36A			-	10	mA
	SK39A SK310A SK315A SK320A			-	0.5	mA

Notes:

1. Pulse test with PW = 0.3ms
2. Pulse test with PW = 30ms

ORDERING INFORMATION

ORDERING CODE[1]	PACKAGE	PACKING
SK3xA	DO-214AC (SMA)	7,500 / Tape & Reel

Notes:

1. “x” defines voltage from 20V(SK32A) to 200V(SK320A)

CHARACTERISTICS CURVES

(T_A = 25°C unless otherwise noted)

Fig.1 Forward Current Derating Curve

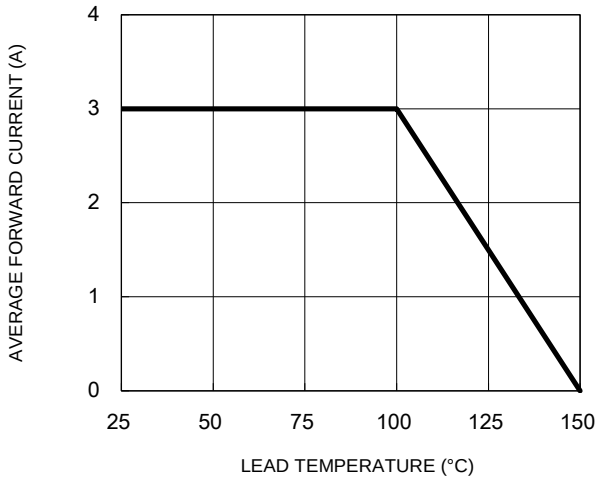


Fig.2 Typical Junction Capacitance

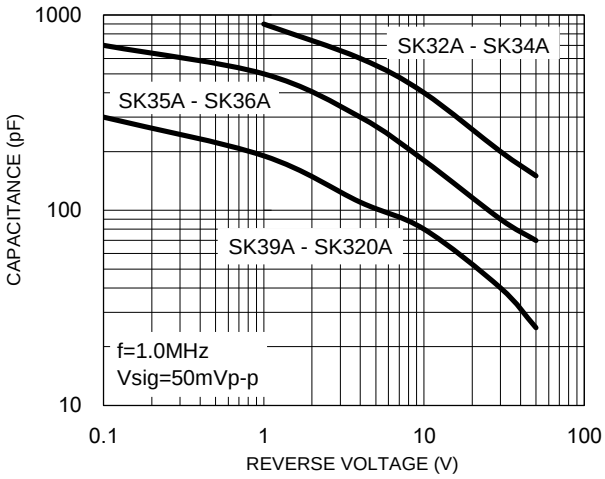


Fig.3 Typical Reverse Characteristics

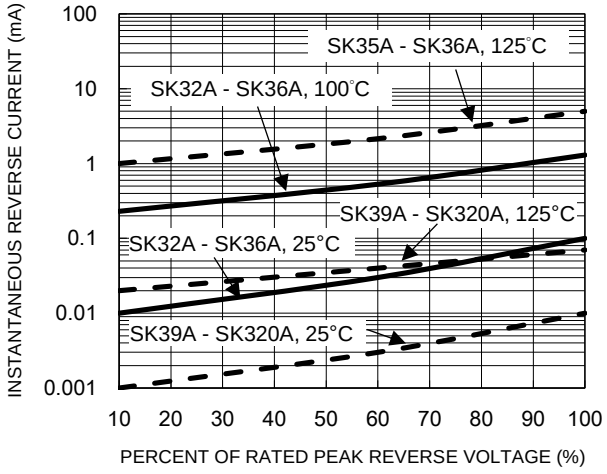


Fig.4 Typical Forward Characteristics

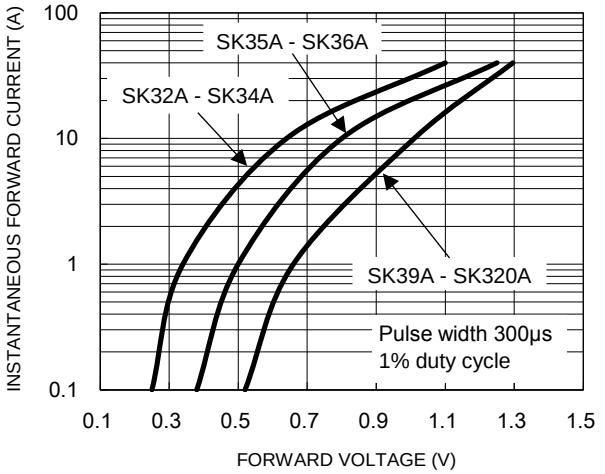
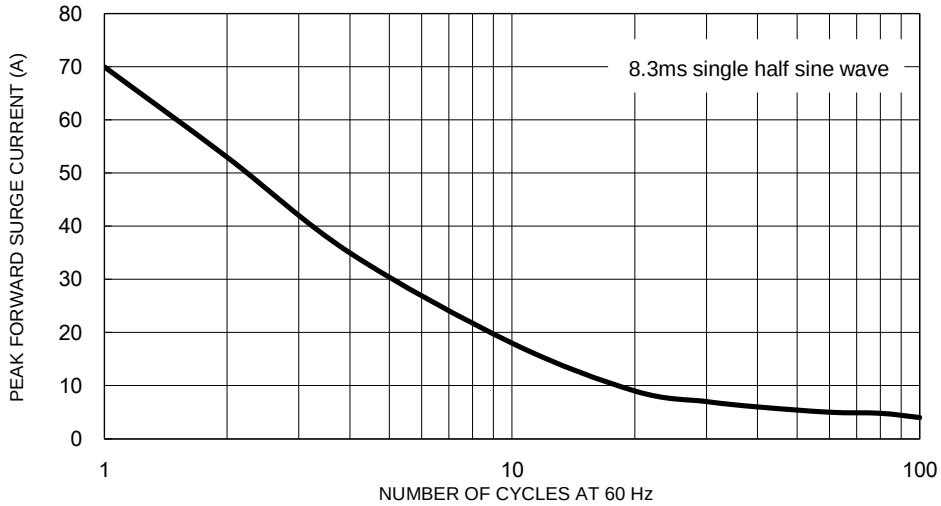


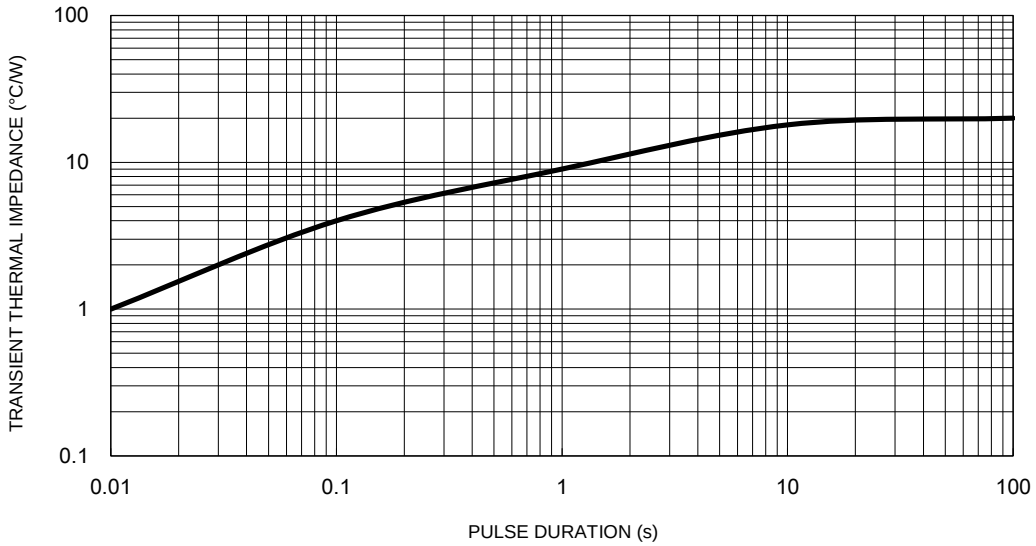
Fig.5 Maximum Non-Repetitive Forward Surge Current



CHARACTERISTICS CURVES

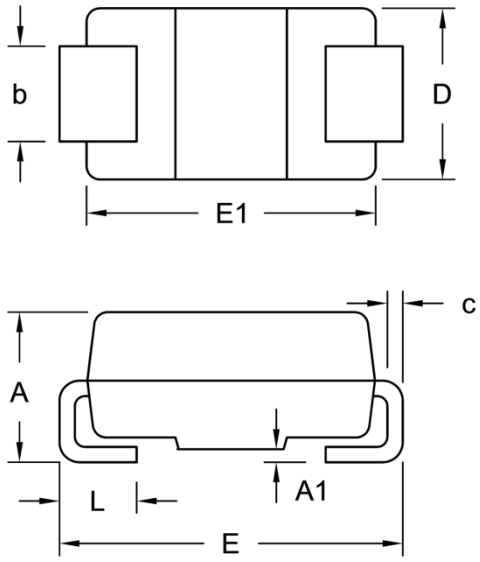
(T_A = 25°C unless otherwise noted)

Fig.6 Typical Transient Thermal Characteristics



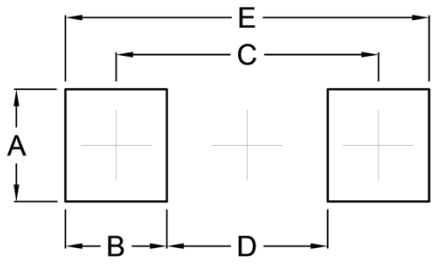
PACKAGE OUTLINE DIMENSIONS

DO-214AC (SMA)



DIM.	Unit (mm)		Unit (inch)	
	Min.	Max.	Min.	Max.
A	1.99	2.50	0.078	0.098
A1	0.10	0.20	0.004	0.008
b	1.27	1.58	0.050	0.062
c	0.15	0.31	0.006	0.012
D	2.29	2.83	0.090	0.111
E	4.95	5.33	0.195	0.210
E1	4.06	4.60	0.160	0.181
L	0.90	1.41	0.035	0.056

SUGGESTED PAD LAYOUT



Symbol	Unit (mm)	Unit (inch)
A	1.68	0.066
B	1.52	0.060
C	3.93	0.155
D	2.41	0.095
E	5.45	0.215

MARKING DIAGRAM

P/N = Marking Code
G = Green Compound
YW = Date Code
F = Factory Code

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