THERMAL PERFORMANCE			
PARAMETER	**SYMBOL**	**TYP**	**UNIT**
Junction-to-ambient thermal resistance	$R_{\Theta JA}$	50	°C/W
Junction-to-case thermal resistance	$R_{\Theta JC}$	15	°C/W

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

PARAMETER		CONDITIONS	SYMBOL	TYP	MAX	UNIT
Forward voltage[1]	SR302 SR303 SR304	I_F = 3A, T_J = 25°C	V_F	-	0.55	V
	SR305 SR306			-	0.70	V
	SR309 SR310			-	0.85	V
	SR315 SR320			-	0.95	V
Reverse current @ rated V_R[2]	SR302 SR303 SR304 SR305 SR306	T_J = 25°C	I_R	-	500	µA
	SR309 SR310 SR315 SR320			-	100	µA
	SR302 SR303 SR304	T_J = 100°C		-	10	mA
	SR305 SR306			-	5	mA
	SR309 SR310 SR315 SR320			-	-	mA
	SR302 SR303 SR304	T_J = 125°C		-	-	mA
	SR305 SR306			-	-	mA
	SR309 SR310 SR315 SR320			-	2	mA

Notes:

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

ORDERING INFORMATION		
ORDERING CODE[1][2]	**PACKAGE**	**PACKING**
SR3x	DO-201AD	1,250 / Tape & Reel
SR3x A0G	DO-201AD	500 / Ammo box
SR3xH	DO-201AD	1,250 / Tape & Reel
SR3xHA0G	DO-201AD	500 / Ammo box

Notes:

1. "x" defines voltage from 20V (SR302) to 200V (SR320)
2. “H” means AEC-Q101 qualified

CHARACTERISTICS CURVES

(T_A = 25°C unless otherwise noted)

Fig.1 Forward Current Derating Curve

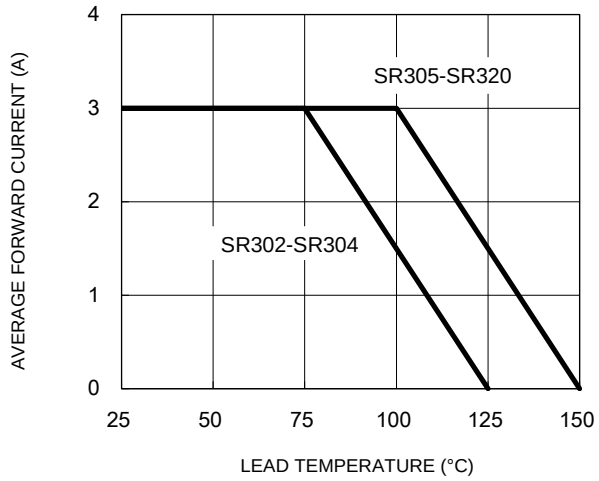


Fig.2 Typical Junction Capacitance

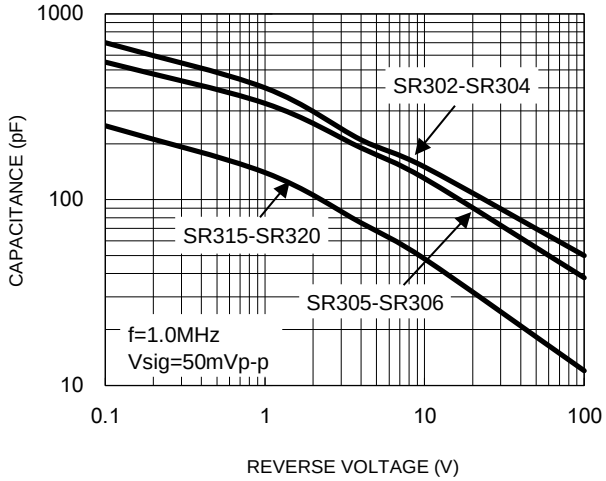


Fig.3 Typical Reverse Characteristics

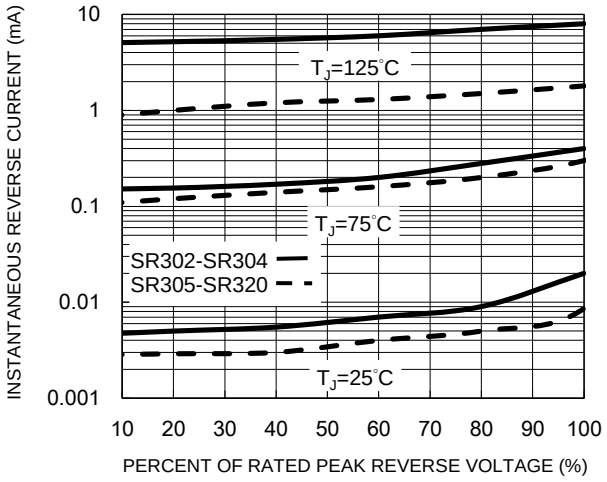


Fig.4 Typical Forward Characteristics

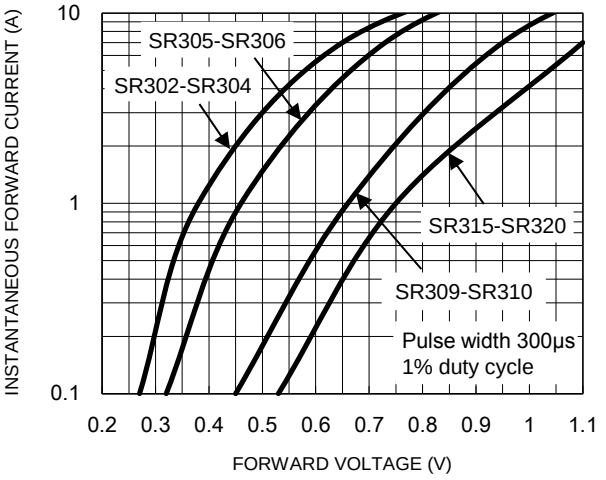
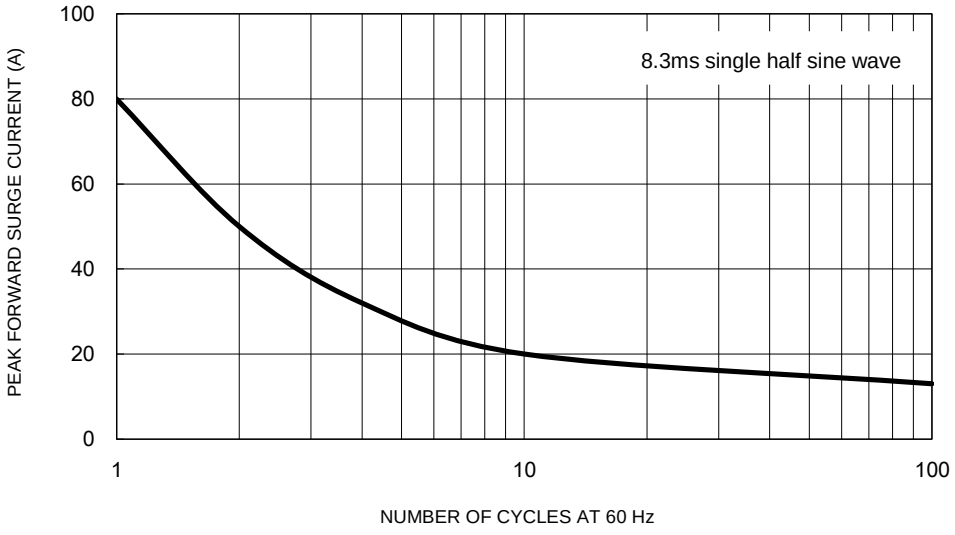


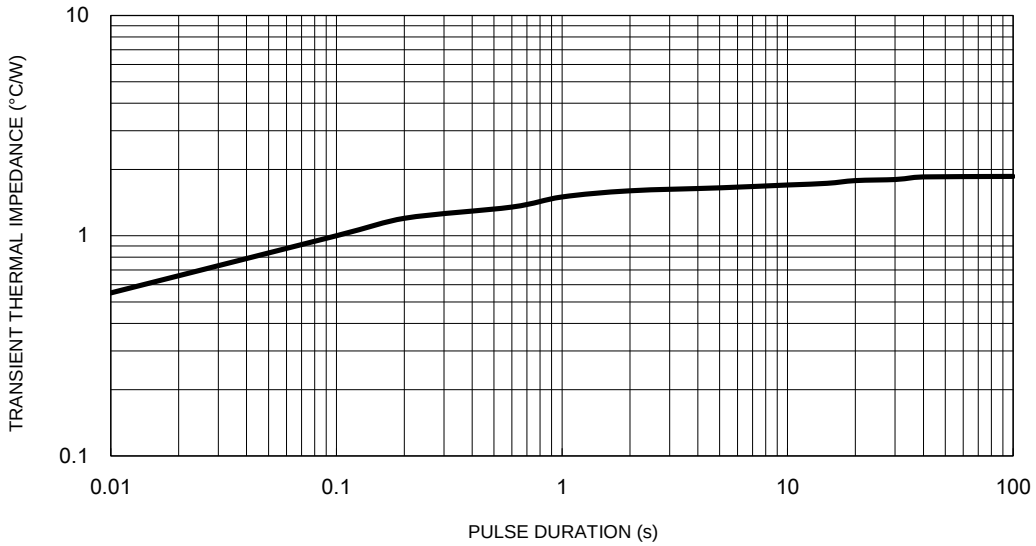
Fig.5 Maximum Non-Repetitive Forward Surge Current



CHARACTERISTICS CURVES

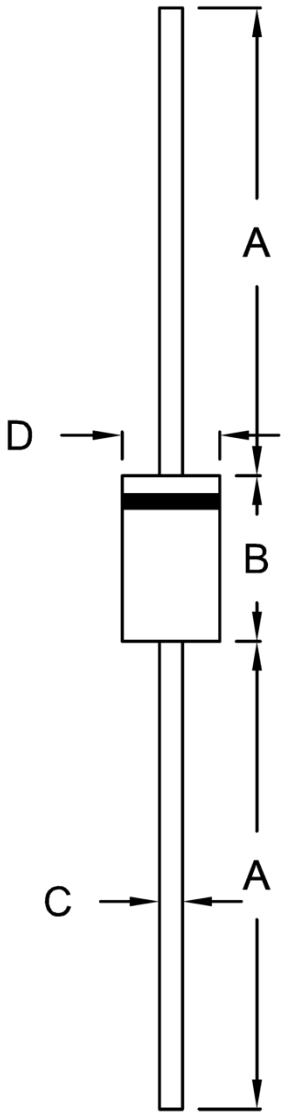
(T_A = 25°C unless otherwise noted)

Fig.6 Typical Transient Thermal Characteristics



PACKAGE OUTLINE DIMENSIONS

DO-201AD



DIM.	Unit (mm)		Unit (inch)	
	Min.	Max.	Min.	Max.
A	25.40	-	1.000	-
B	8.50	9.50	0.335	0.374
C	1.20	1.30	0.047	0.051
D	5.00	5.60	0.197	0.220

MARKING DIAGRAM

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

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