- riigh surge current capability
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition

MECHANICAL DATA

Case: DO-204AC (DO-15) Molding compound, UL flammability classification rating 94V-0 Base P/N with suffix "G" on packing code - green compound (halogen-free) Base P/N with prefix "H" on packing code - AEC-Q101 qualified Terminal: Matte tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 1A whisker test

with prefix "H" on packing code meet JESD 201 class 2 whisker test Weight: 0.4g (approximately)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)								
		SR	SR	SR	SR	SR	SR	SR
PARAMETER	SYMBOL	202	203	204	205	206	209	210
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	90	100
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	63	70
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	90	100
Maximum average forward rectified current	I _{F(AV)}	2						
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	50						
Maximum instantaneous forward voltage (Note 1) @ 2 A	V _F	0.55 0.70		0.85				
Maximum reverse current @ rated VR T _J =25 °C		0.5 0						
T _J =100 °C	I _R		10		ļ	5		
T _J =125 °C			-			-		
Voltage rate of change (Rated V _R)	dV/dt	10000						
	$R_{ extsf{ heta}JC}$					14		
Typical thermal resistance	$R_{ extsf{ heta}JL}$	21.7						
	R_{\thetaJA}					75		
Operating junction temperature range	TJ	- 55 to +125 - 55		- 55 to	o +150			
Storage temperature range	T _{STG}	- 55 to +150						

Note 1: Pulse test with PW=300 µs, 1% duty cycle

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OMF

DO-204AC (DO-15)

Note 1: "xx" defines voltage from 20V (SR202) to 200V (SR220)

	EXAMPLE							
PREFERRED P/N	PART NO	AEC-Q101	PACKING CODE	GREEN COMPOUND	DES			
		TART NO.	QUALIFIED	T AGRING CODE	CODE	DES		
	SR206 A0	SR206		A0				
	SR206 A0G	SR206		A0	G	Greer		
	SR206HA0	SR206	Н	A0		AEC-Q		

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

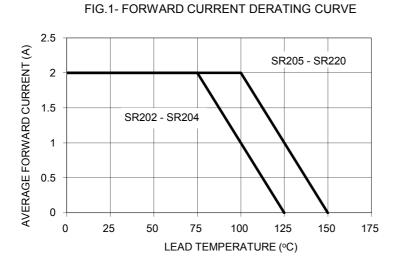


FIG. 2- MAXIMUM NON-REPETITIVE FORV SURGE CURRENT

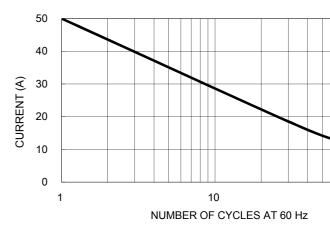


FIG. 3- TYPICAL FORWARD CHARACTERISTICS

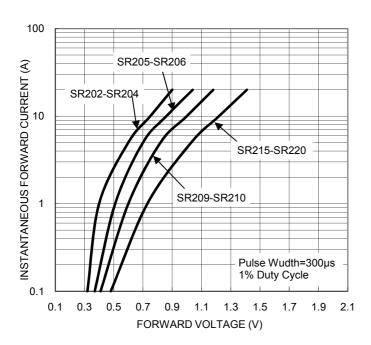
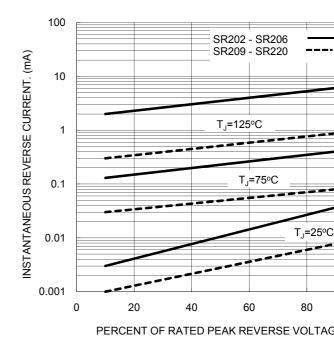
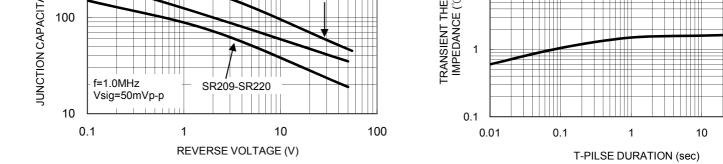


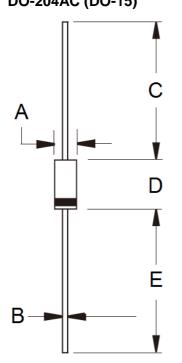
FIG. 4- TYPICAL REVERSE CHARACTERIST



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PACKAGE OUTLINE DIMENSIONS DO-204AC (DO-15)



DIM.	Unit	(mm)	Unit (inch)			
	Min	Max	Min	Max		
А	2.60	3.60	0.102	0.142		
В	0.70	0.90	0.028	0.035		
С	25.40	-	1.000	-		
D	5.80	7.60	0.228	0.299		
E	25.40	-	1.000	-		

MARKING DIAGRAM



P/N = Specific Device Code

G = Green Compound



F = Factory Code

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