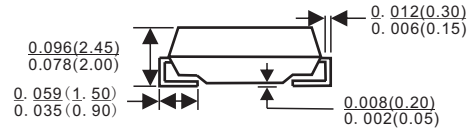
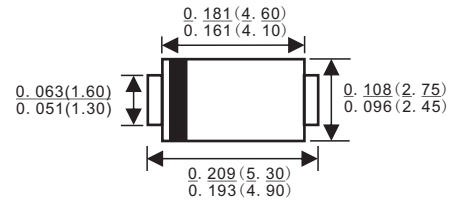


Features

- ✧ Nominal Current
- ✧ Repetitive peak reverse voltage
- ✧ Plastic case
- ✧ Weight approx.
- ✧ Plastic material has UL classification 94V-0
- ✧ Standard packaging taped and reeled

SMA/DO-214AC



Marking Information



LGE: Lu Guang Electronic
XXXX: marking code (S2A-S2Y)

Dimensions in inches and(millimeters)

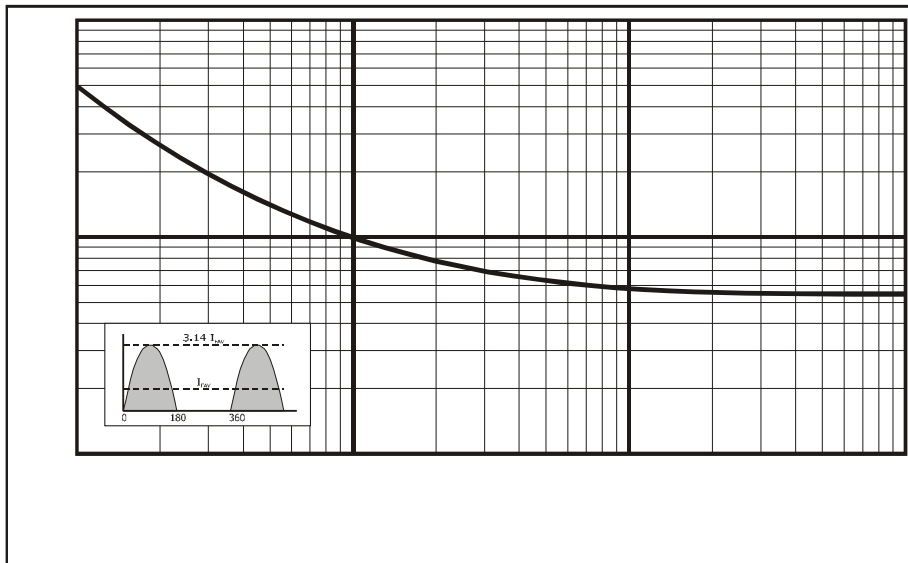
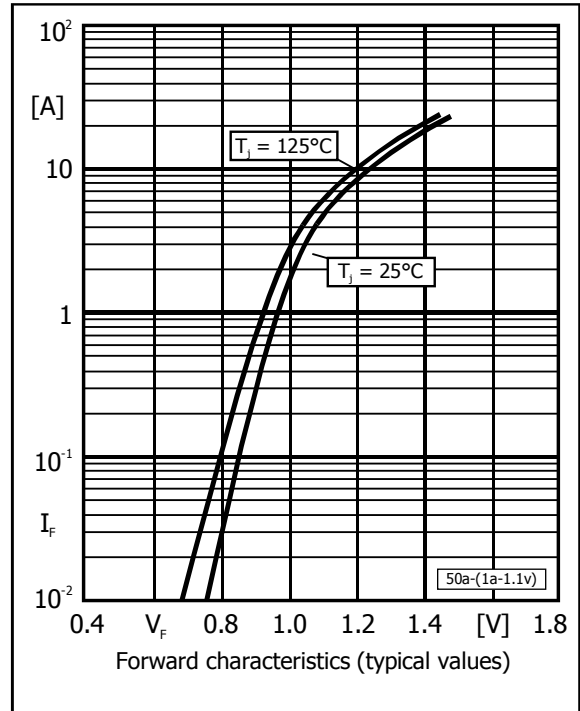
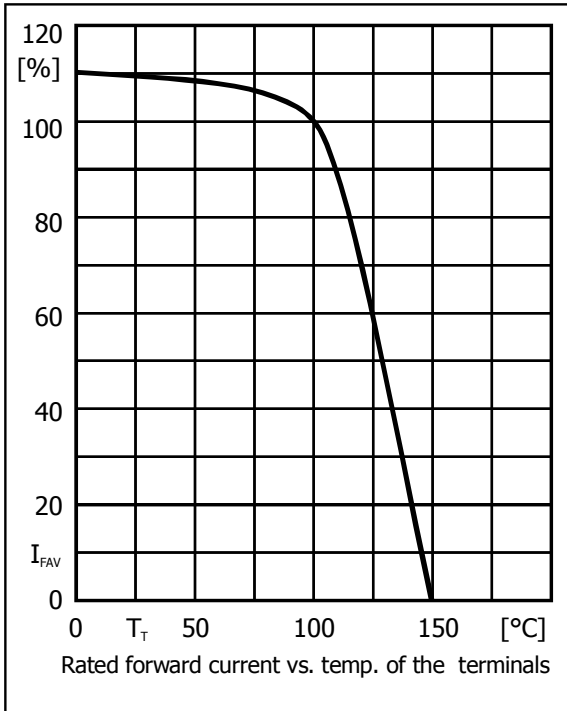
Maximum ratings

Type	Repetitive peak reverse voltage V_{RRM} [V]	Surge peak reverse voltage V_{RSM} [V]
S2A	50	50
S2B	100	100
S2D	200	200
S2G	400	400
S2J	600	600
S2K	800	800
S2M	1000	1000
S2T	1300	1300
S2W	1600	1600
S2X	1800	1800
S2Y	2000	2000

Max. average forward rectified current, R-load	$T_T = 100^\circ\text{C}$	I_{FAV}	2 A
Repetitive peak forward current	$f > 15 \text{ Hz}$	I_{FRM}	10 A ¹⁾
Peak forward surge current, 50/60 Hz half sine-wave	$T_A = 25^\circ\text{C}$	I_{FSM}	50/55 A
Rating for fusing, $t < 10 \text{ ms}$	$T_A = 25^\circ\text{C}$	i^2t	12 A ² s
Junction temperature		T_j	-50...+150°C
Storage temperature		T_s	-50...+150°C

Characteristics

Forward voltage	$T_j = 25^\circ\text{C}$	$I_F = 2\text{ A}$	V_F	< 1.15 V
Leakage current Sperrstrom	$T_j = 25^\circ\text{C}$	$V_R = V_{RRM}$	I_R	< 5 μA
	$T_j = 100^\circ\text{C}$	$V_R = V_{RRM}$	I_R	< 100 μA
Thermal resistance junction to ambient air				R_{thA} < 50 K/W ¹⁾
Thermal resistance junction to terminal				R_{thT} < 15 K/W



PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SMA	5000/REEL	80000	36X30.6X31	12.00	11.00