



REVERSE VOLTAGE: 20 - 200 V
FORWARD CURRENT: 2.0 A



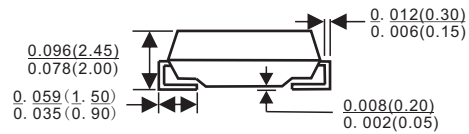
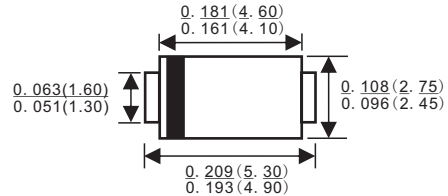
Features

- ✧ Schottky barrier rectifier
- ✧ Guardring protection
- ✧ Low forward voltage
- ✧ Reverse energy tested
- ✧ High current capability
- ✧ Extremely low thermal resistance

Mechanical Data

- ✧ Case: SMA molded plastic body
- ✧ Polarity: Color band denotes cathode end
- ✧ Mounting position: ANY
- ✧ Weight: 0.002 ounces, 0.064 gram

SMA/DO-214AC



Dimensions in inches and(millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

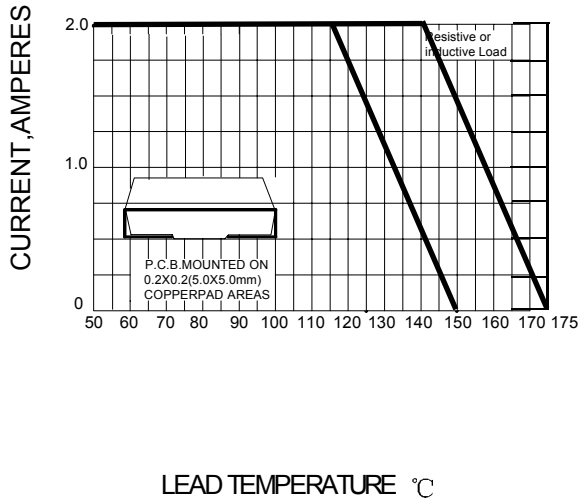
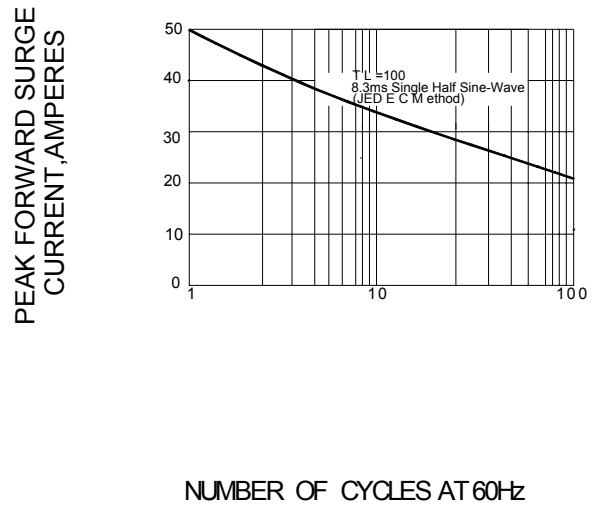
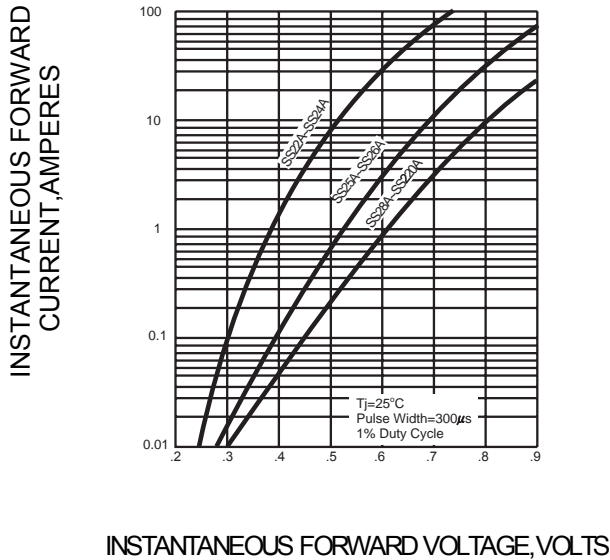
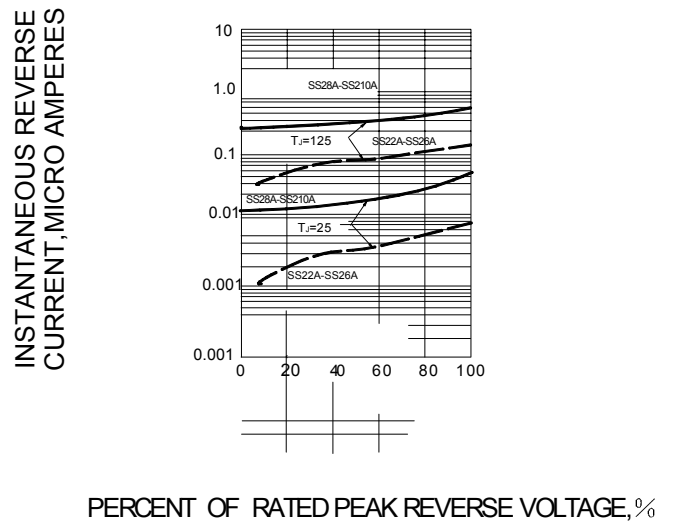
Ratings at 25 C ambient temperature unless otherwise specified

Parameter		SS22A	SS23A	SS24A	2225A	SS26A	SS28A	SS210A	SS215A	SS220A	UNITS	
Marking code		SS22	SS23	SS24	SS25	SS26	SS28	SS210	SS215	SS220		
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V	
Maximum RMS voltage	V_{RWS}	14	21	28	35	42	56	70	105	140	V	
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V	
Maximum average forward rectified current at $T_L=90^\circ\text{C}$	$I_{F(AV)}$	2.0									A	
Peak forward surge current 8.3ms single half-sine-wave	I_{FSM}	50									A	
Maximum instantaneous forward voltage at $I_{FM}=2.0\text{A}$ (NOTE1)	V_F	0.55			0.75		0.85				V	
Maximum DC reverse current $T_J=25^\circ\text{C}$ at rated DC blocking voltage $T_J=125^\circ\text{C}$	I_R	0.4					0.03					mA
		10					5.0					
Maximum thermal resistance	$R_{\theta JL}$	28									$^\circ\text{C/W}$	
Operating temperature range	T_J	-55 ---- +150						-55 ---- +175				$^\circ\text{C}$
Storage temperature range	T_{STG}	-55 ---- +150						-55 ---- +175				$^\circ\text{C}$

NOTE: 1.Pulse test: Pulse width 300us,duty cycle 1 %



Ratings AND Characteristic Curves

FIG.1 – FORWARD DERATING CURVE

FIG.2– PEAK FORWARD SURGE CURRENT

FIG.3 – TYPICAL FORWARD CHARACTERISTICS

FIG.4 – TYPICAL REVERSE CHARACTERISTICS


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