













ESD

TVS

TSS

MOV

GDT

PLED

SS52C THRU SS510C

Product specification





Features

- Ideal for surface mount applications
- Easy pick and place
- Built-in strain relief
- Low forward voltage drop

MECHANICAL DATA

- Case: Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Metallurgically bonded construction
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Weight: 0.21 grams

Reference News

SMC	



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25 $\,^\circ\!\mathrm{C}\,$ ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

P/N(MARK)		8852C	S853C	SS54C	S855C	SS56C	SS58C	SS59C	88510C	UNITS
Maximum Recurrent Peak Reverse Voltage		20	30	40	50	60	80	90	100	V
Maximum RMS Voltage		14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage		20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Cu	rrent									
at T∟=90 C		5.0							А	
Peak Forward Surge Current, 8.3 ms sir	gle half									
sine-wave superimposed on rated load (JEDEC method)		150							А	
Maximum Instantaneous Forward Voltage at 5.0 A			0.55		0.7	0		0.85		V
Maximum DC Reverse Current	Ta=25 C	0.1 0.02			mA					
at Rated DC Blocking Voltage	Ta=100 C	5 2			mA					
Typical Junction Capacitance (Note1)		300							pF	
Typical Thermal Resistance R JL (Note 2)		10							C/W	
Operating Temperature Range TJ		-65+150							°C	
Storage Temperature Range Tsts		-65+150							°C	

NOTES:

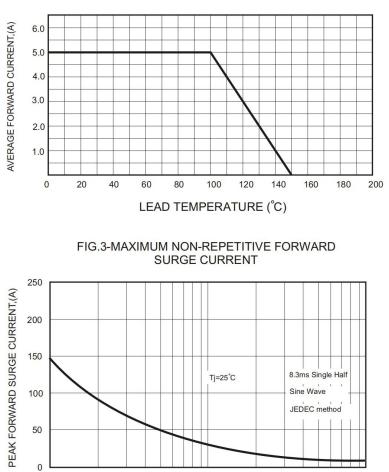
1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal Resistance Junction to Lead.



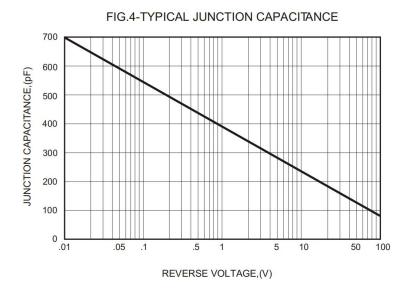
RATING AND CHARACTERISTIC CURVES (SS52C THRU SS510C)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE



5 10 50 NUMBER OF CYCLES AT 60Hz

100



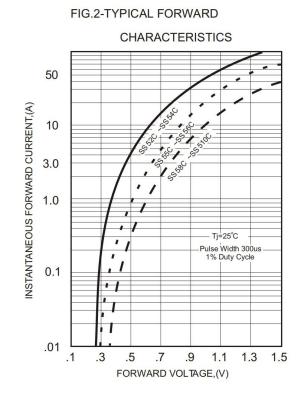
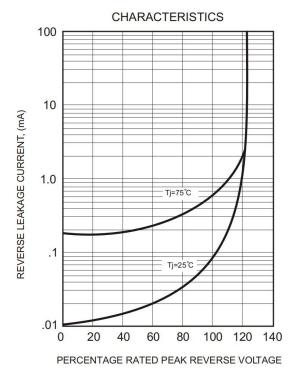


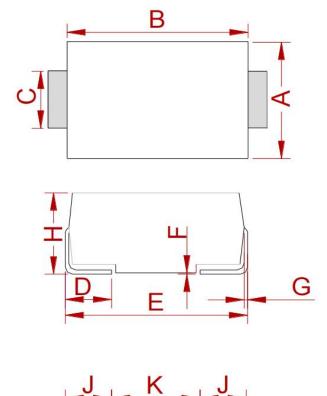
FIG.5 - TYPICAL REVERSE



1



PACKAGE MECHANICAL DATA



	Dimensions					
Ref.	Millimeters		Inches			
	Min.	Max.	Min.	Max.		
Α	5.75	6.25	0.226	0.246		
В	6.90	7.40	0.272	0.291		
С	2.75	3.25	0.108	0.128		
D	0.95	1.52	0.037	0.060		
E	7.70	8.20	0.303	0.323		
F	0.051	0.203	0.002	0.008		
G	0.15	0.31	0.006	0.012		
Н	2.15	2.62	0.085	0.103		
J	2.40		0.094			
К		4.20		0.165		
L	3.30		0.130			

DO-214AB (SMC)

REEL SPECIFICATION

P/N	PKG	QTY
SS52C THRU SS510C	SMC	3000



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