

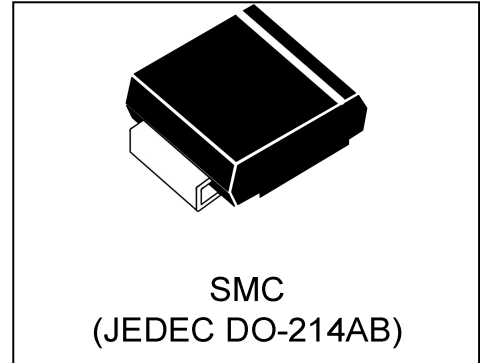


WSR4003CL

SCHOTTKY BARRIER RECTIFIERS

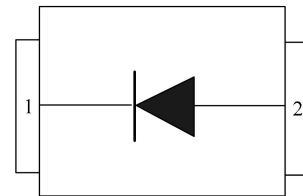
Features

- 3A Schottky barrier diode
- Schottky barrier rectifier
- Guarding protection
- Low forward voltage
- Reverse energy tested
- High current capability
- Extremely low thermal resistance



Mechanical Data

- Case: SMC(JEDEC DO-214AB),molded plastic body
- Mounting position: any
- Polarity: Color band denotes cathode end

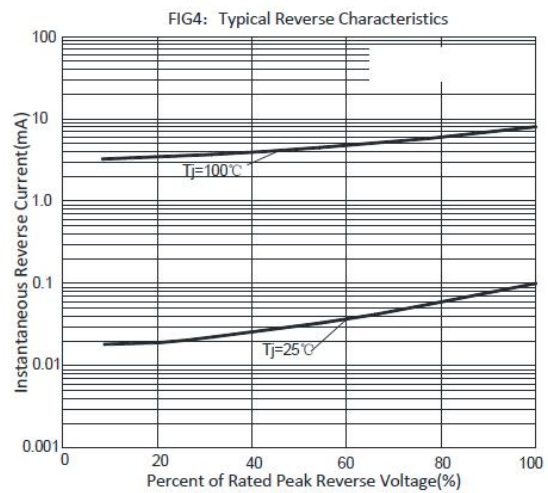
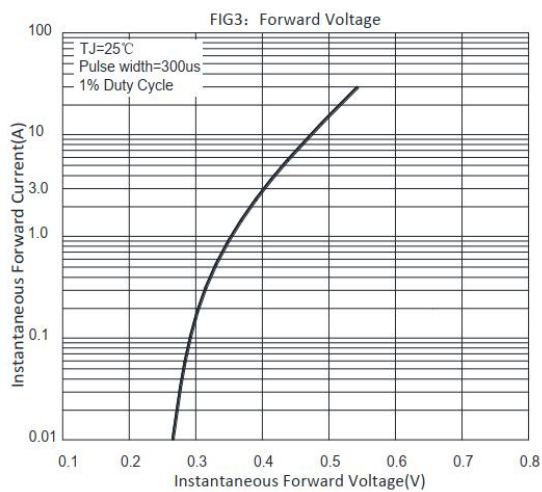
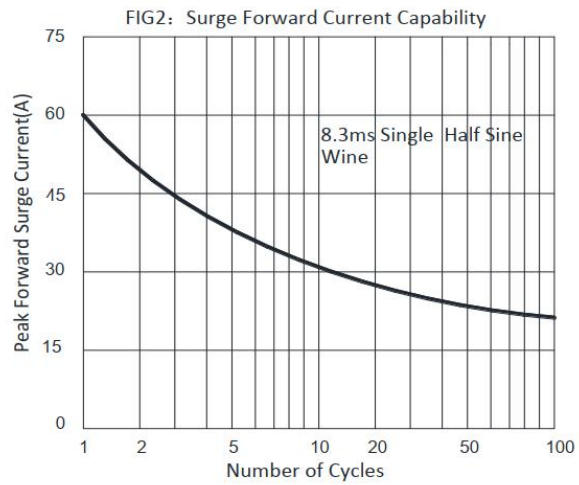
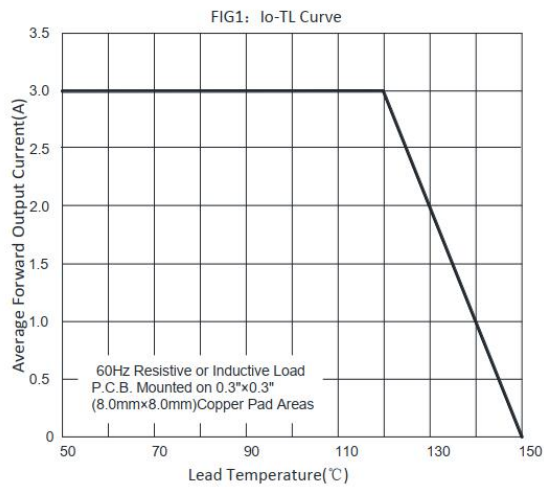


Absolute Maximum Ratings and Electronics characteristics

Ratings@25°C ambient temperature unless otherwise specified

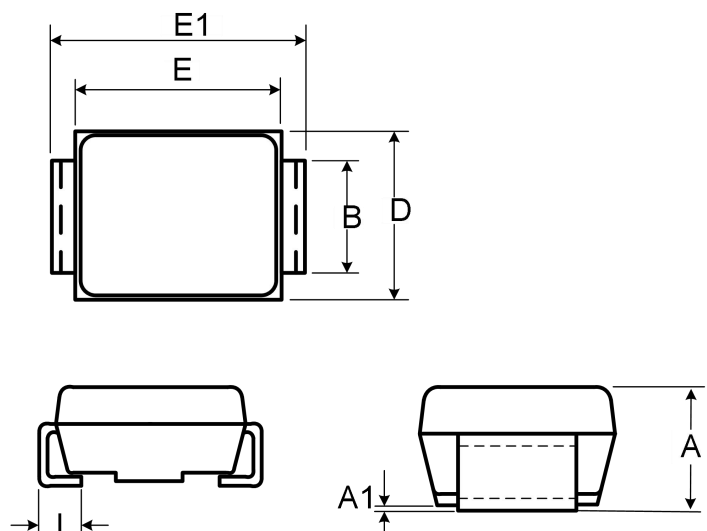
Parameter	Symbol	WSR4003CL	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	40	V
Maximum average forward rectified current	$I_{F(AV)}$	3.0	A
Peak forward surge current 8.3ms single half-sine-wave	I_{FSM}	60	A
Maximum instantaneous forward voltage at $I_F=3.0A$	V_F	0.45	V
Maximum DC reverse current ($T_a=25^\circ C$) At rated DC blocking voltage ($T_a=100^\circ C$)	I_R	0.5 50	mA
Thermal resistance	$R_{\theta JA}$	50	$^\circ C/W$
Operating temperature range	T_J	-55 ~ +150	$^\circ C$
Storage temperature range	T_{STG}	-55 ~ +150	$^\circ C$

Typical characteristics ($T_a=25^\circ\text{C}$, unless otherwise noted)



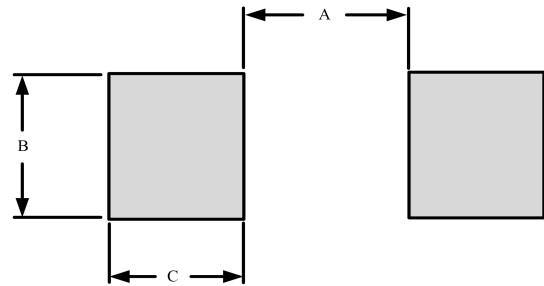
Outline Drawing

Ref. (mm)	Millimeters	
	Min.	Max.
A	1.990	2.700
A1	-	0.300
B	2.750	3.270
E	6.500	7.110
E1	7.600	8.130
D	5.590	6.220
L	0.760	1.600



Recommended Solder Pad Layout

DIM(mm)	MILLIMETERS
A	4.20
B	3.30
C	2.40



Marking Code

Part Number	WSR4003CL
Marking Code	SSL34

Package Information

Tape & Reel: 3000 pcs.

Contact Information

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For additional information, please contact your local Sales Representative.

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Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.