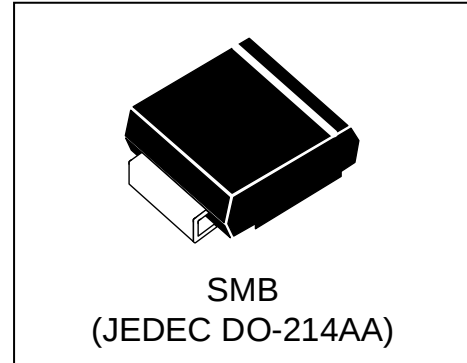


SCHOTTKY BARRIER RECTIFIER

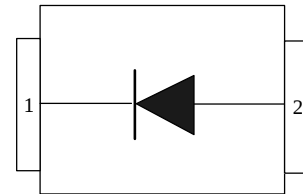
Features

- 5A Schottky barrier diode
- Schottky barrier rectifier
- Guarding protection
- Low forward voltage
- Reverse energy tested
- High current capability
- Extremely low thermal resistance



Mechanical Data

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

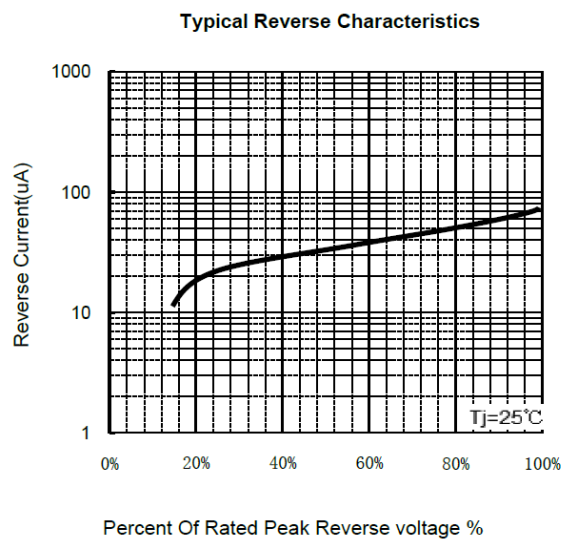
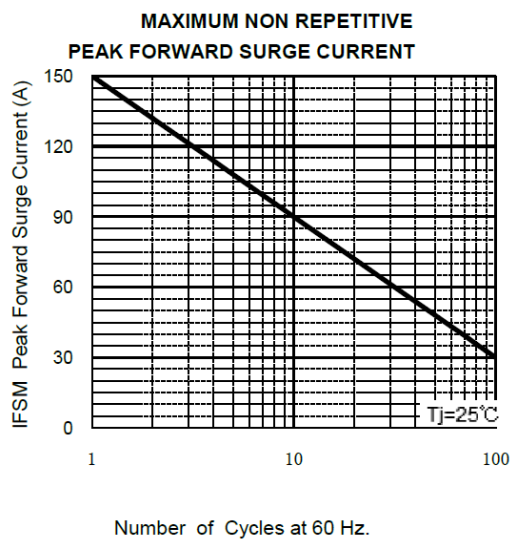
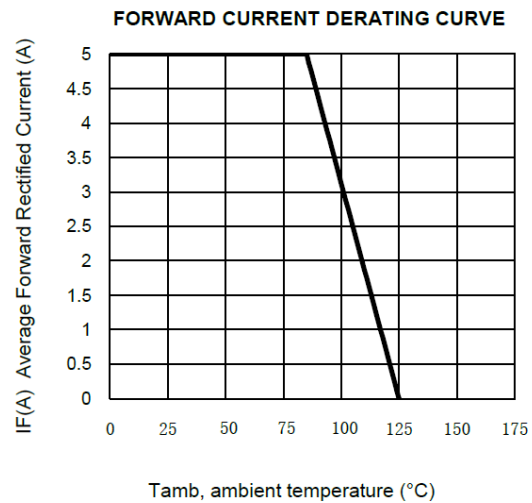
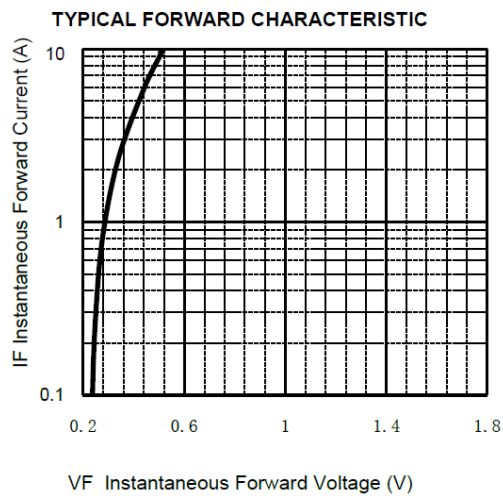


Absolute Maximum Ratings and Electronics characteristics

Ratings@25°C ambient temperature unless otherwise specified

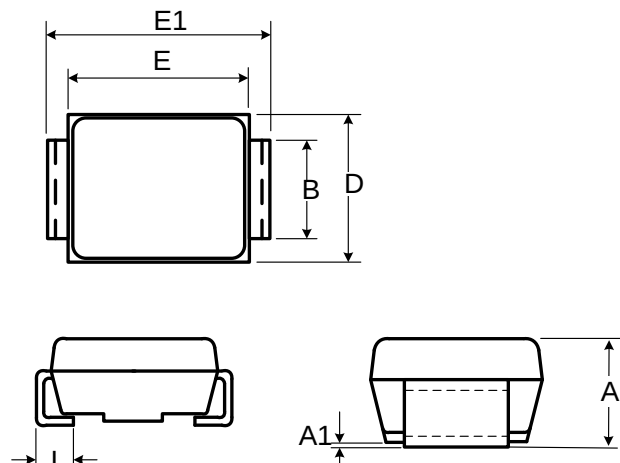
Parameter	Symbol	Value	UNITS
Maximum repetitive peak reverse voltage	V_{RRM}	40	V
Maximum DC blocking voltage	V_{DC}	40	V
Average rectified output current @60Hz sine wave, resistance load, Ta (FIG.1)	I_o	5	A
Surge(non-repetitive)forward current @60Hz half-sine wave,1 cycle, Ta=25°C	I_{FSM}	150	A
Maximum instantaneous forward voltage at $I_F=5.0A$	V_F	0.45	V
Maximum DC reverse current at rated DC blocking voltage (Ta= 25°C) (Ta=100°C)	I_R	0.2 50	mA
Typical thermal resistance(junction to ambient)	$R_{\theta JA}$	65	°C/W
Operating temperature range	T_J	-55 ~ +125	°C
Storage temperature range	T_{STG}	-55 ~ +150	°C

Typical characteristics (Ta=25°C, unless otherwise noted)



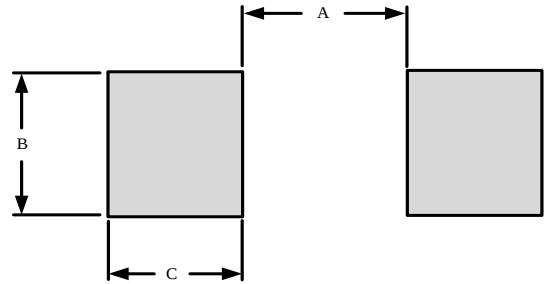
Outline Drawing

Ref. (mm)	Millimeters	
	Min.	Max.
A	1.99	2.61
A1	-	0.30
B	1.85	2.20
E	4.06	4.75
E1	5.08	5.59
D	3.30	3.94
L	0.76	1.52



Recommended Solder Pad Layout

DIM(mm)	MILLIMETERS
A	2.74
B	2.26
C	2.16



Marking Code

Part Number	WSR4005BL
Marking Code	SSL54B

Package Information

Tape & Reel: 3000 pcs.

Contact Information

No.1001, Shiwan(7) Road, Pudong District, Shanghai, P.R.China.201207

Tel: 021-68969993 Fax: 86-21-50757680 Email: market@way-on.com

WAYON website: <http://www.way-on.com>

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.