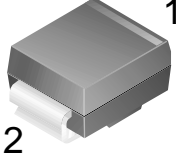

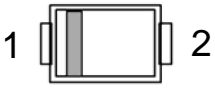
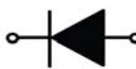




<h2 style="margin: 0;">SSL36</h2> <p>Features:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Metal silicon junction, majority carrier conduction <input type="checkbox"/> For surface mounted applications <input type="checkbox"/> Low power loss, high efficiency <input type="checkbox"/> High forward surge current capability <input type="checkbox"/> For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications 	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>DO-214AA (SMB)</p>  </div> <div style="text-align: right;">  </div> </div> <div style="text-align: center; margin-top: 20px;">   <p>1.Cathode 2. Anode</p> </div>
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Absolute Maximum Ratings And Electrical Characteristics (Ta=25°C unless otherwise noted)

Ratings at 25 C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter	Symbols	SS36L	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	60	V
Maximum RMS voltage	V_{RMS}	42	V
Maximum DC Blocking Voltage	V_{DC}	60	V
Maximum Average Forward Rectified Current at $T_c=100\text{ }^\circ\text{C}$	$I_{F(AV)}$	3	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	70	A
Maximum Instantaneous Forward Voltage at 3 A	V_F	0.5	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.5 5.0	mA
Typical Junction Capacitance ⁽¹⁾	C_j	400	pF
Typical Thermal Resistance ⁽²⁾	$R_{\theta JA}$	60	$^\circ\text{C/W}$
Operating Junction Temperature Range	T_j	-55 ~ +150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ +150	$^\circ\text{C}$

(1) Measured at 1 MHz and applied reverse voltage of 4 V D.C
 (2) P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.



Typical Characteristics

Fig.1 Forward Current Derating Curve

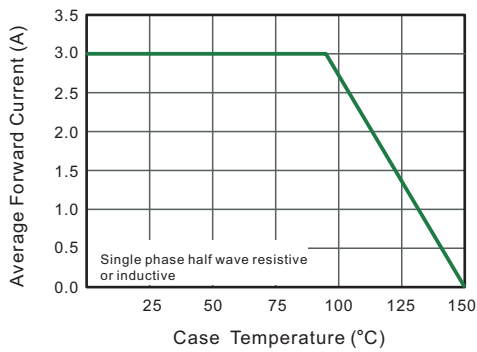


Fig.2 Typical Reverse Characteristics

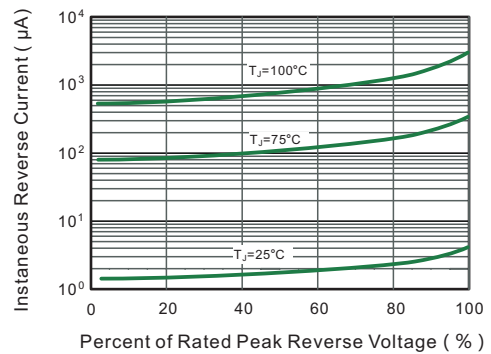


Fig.3 Typical Forward Characteristic

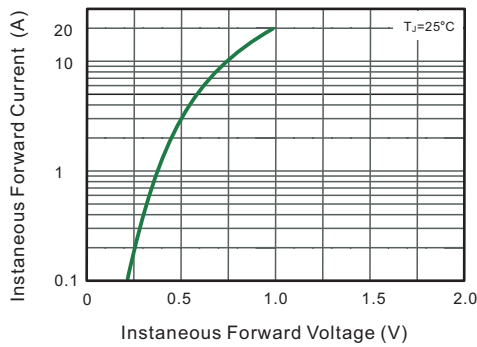


Fig.4 Typical Junction Capacitance

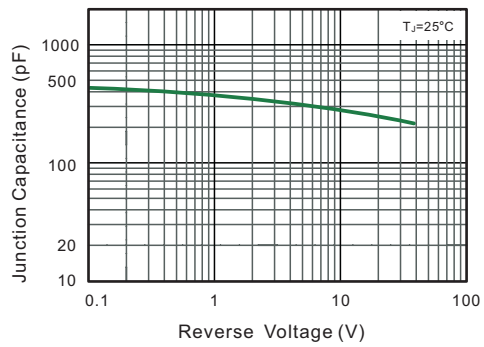


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

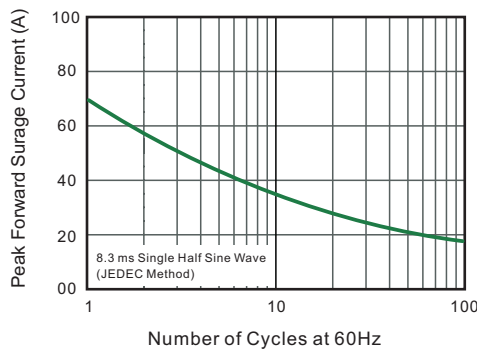
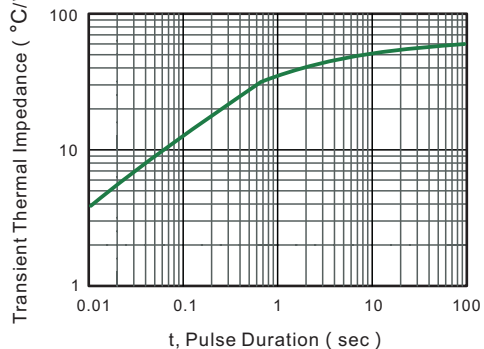


Fig.5- Typical Transient Thermal Impedance





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4. 本说明书如有版本变更不另外告知

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2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Shenzhen Huatianwei Electronics co., Ltd reserves the right to make changes in this specification sheet and is subject to change without prior notice.

联系方式

深圳市华天微电子有限公司

公司地址：广东省深圳市龙华清湖硅谷动力清湖园A14栋3楼

电话：86-755-82047720

网址：www.htwdz.com.cn

邮箱：grf@htwdz.com.cn

CONTACT

SHENZHEN HUATIANWEI ELECTRONICS CO., LTD.

ADD: Floor 3, Building A14, Qinghu Power park, Qinghu Silicon Valley, Longhua, Shenzhen, China

TEL: 86-755-82047720

Web Site: www.htwdz.com.cn

邮箱：grf@htwdz.com.cn