# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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### Silicon Standard Recovery Diode

#### Features

High Surge Capability

- Types up to 600 V  $V_{\text{RRM}}$ 

### 1N3208 thru 1N3211R

### $V_{RRM} = 50 V - 600 V$ $I_F = 15 A$

**DO-5 Package** 



#### Maximum ratings, at T<sub>i</sub> = 25 °C, unless otherwise specified

Parameter	Symbol	Conditions	1N3208 (R)	1N3209 (R)	1N3210 (R)	1N3211 (R)	Unit
Repetitive peak reverse voltage	V <sub>RRM</sub>		50	100	200	300	V
RMS reverse voltage	V <sub>RMS</sub>		35	70	140	210	V
DC blocking voltage	V <sub>DC</sub>		50	100	200	300	V
Continuous forward current	١ <sub>F</sub>	T <sub>C</sub> ≤ 150 °C	15	15	15	15	Α
Surge non-repetitive forward current, Half Sine Wave	$I_{\rm F,SM}$	T <sub>C</sub> = 25 °C, t <sub>p</sub> = 8.3 ms	297	297	297	297	А
Operating temperature	Тj		-65 to 175	-65 to 175	-65 to 175	-65 to 175	°C
Storage temperature	T <sub>stg</sub>		-65 to 175	-65 to 175	-65 to 175	-65 to 175	°C

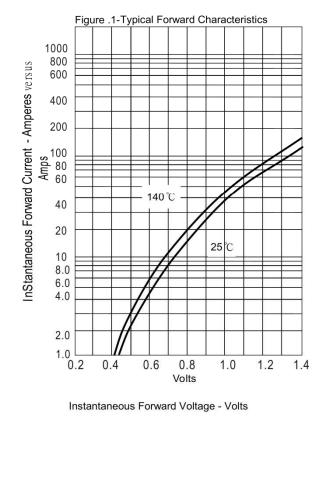
#### Electrical characteristics, at Tj = 25 °C, unless otherwise specified

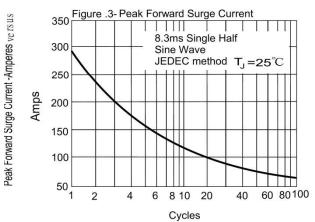
Parameter	Symbol	Conditions	1N3208 (R)	1N3209 (R)	1N3210 (R)	1N3211 (R)	Unit
Diode forward voltage	V <sub>F</sub>	I <sub>F</sub> = 15 A, T <sub>j</sub> = 25 °C	1.5	1.5	1.5	1.5	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 50 V, T <sub>j</sub> = 25 °C	10	10	10	10	μA
		V <sub>R</sub> = 50 V, T <sub>j</sub> = 150 °C	10	10	10	10	mA
Thermal characteristics							
Thermal resistance, junction -	$R_{thJC}$		0.65	0.65	0.65	0.65	°C/W
case							



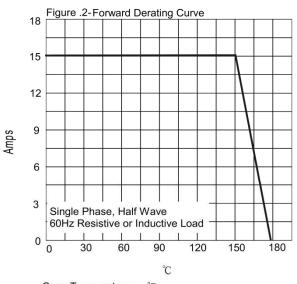


### 1N3208 thru 1N3211R





Number Of Cycles At 60Hz - Cycles



Case Temperature - °C

Average ForwArd Rectified Current - AmPeres versus

