

**Revision of SS2x series datasheet for Electrical parameter VR(RMS)**  
**Comparison report**

Prepared by Riona  
Checked by Dino  
Approved by Dino  
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Revision for A

## Comparison report

ITEM	ABSOLUTE MAXIMUM RATINGS											
<b>Before</b>	<b>ABSOLUTE MAXIMUM RATINGS</b> ( $T_A = 25^\circ\text{C}$ unless otherwise noted)											
	<b>PARAMETER</b>	<b>SYMBOL</b>	<b>SS22</b>	<b>SS23</b>	<b>SS24</b>	<b>SS25</b>	<b>SS26</b>	<b>SS29</b>	<b>SS210</b>	<b>SS215</b>	<b>UNIT</b>	
	Marking code on the device		SS22	SS23	SS24	SS25	SS26	SS29	SS210	SS215		
	Repetitive peak reverse voltage	$V_{RRM}$	20	30	40	50	60	90	100	150	V	
	Reverse voltage, total rms value	$V_{R(RMS)}$	14	70	140	280	420	560	700	105	V	
	Maximum DC blocking voltage	$V_{DC}$	20	30	40	50	60	90	100	150	V	
	Forward current	$I_{F(AV)}$	2								A	
	Surge peak forward current, 8.3 ms single half sine-wave superimposed on rated load per diode	$I_{FSM}$	50								A	
	Critical rate of rise of off-state voltage	dV/dt	10000								V/ $\mu\text{s}$	
	Junction temperature	$T_J$	- 55 to +125				- 55 to +150				$^\circ\text{C}$	
	Storage temperature	$T_{STG}$	- 55 to +150								$^\circ\text{C}$	
	SS23 VR(RMS)=70V SS24 VR(RMS)=140V SS25 VR(RMS)=280V SS26 VR(RMS)=420V SS29 VR(RMS)=560V SS210 VR(RMS)=700V											
	<b>After</b>	<b>ABSOLUTE MAXIMUM RATINGS</b> ( $T_A = 25^\circ\text{C}$ unless otherwise noted)										
		<b>PARAMETER</b>	<b>SYMBOL</b>	<b>SS22</b>	<b>SS23</b>	<b>SS24</b>	<b>SS25</b>	<b>SS26</b>	<b>SS29</b>	<b>SS210</b>	<b>SS215</b>	<b>UNIT</b>
		Marking code on the device		SS22	SS23	SS24	SS25	SS26	SS29	SS210	SS215	
Repetitive peak reverse voltage		$V_{RRM}$	20	30	40	50	60	90	100	150	V	
Reverse voltage, total rms value		$V_{R(RMS)}$	14	21	28	35	42	63	70	105	V	
Maximum DC blocking voltage		$V_{DC}$	20	30	40	50	60	90	100	150	V	
Forward current		$I_{F(AV)}$	2								A	
Surge peak forward current, 8.3 ms single half sine-wave superimposed on rated load per diode		$I_{FSM}$	50								A	
Critical rate of rise of off-state voltage		dV/dt	10000								V/ $\mu\text{s}$	
Junction temperature		$T_J$	- 55 to +125				- 55 to +150				$^\circ\text{C}$	
Storage temperature		$T_{STG}$	- 55 to +150								$^\circ\text{C}$	
SS23 VR(RMS)=21V SS24 VR(RMS)=28V SS25 VR(RMS)=35V SS26 VR(RMS)=42V SS29 VR(RMS)=63V SS210 VR(RMS)=70V Product no change, Only correction datasheet.												
<b>Conclusion</b>		Electrical parameter VR(RMS) → TYPO					$V_{R(RMS)} = \frac{V_{RRM}}{\sqrt{2}}$ $= 0.7V_{RRM}$					