


# FAST RECOVERY RECTIFIERS (SMD Type)





TYPE No.	Max. Peak Reverse Voltage	Max. Reverse Recovery Time	Max. Average Rectified Current	Max. Peak Forward Surge Current	Max. Reverse Leakage Current	Max. Forward Voltage		<div style="border: 1px solid black; padding: 5px; text-align: center;">                     Package Outline Drawing No. Please refer to Page: 131~139                 </div>
	PRV	*Trr	I <sub>O</sub>	I <sub>FSM</sub>	I <sub>R</sub>	V <sub>FM</sub>	I <sub>FM</sub>	
	V	nS	A	A	μA <sub>dc</sub>	V	A	

NOTE: \* Trr Test Conditions: I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1.0A, Recover to 0.25A.


## 0.3 Ampere

FR03AFL	50	150	0.3	10	5.0	1.3	0.3	SOD-123FL (No.: 16)	
FR03BFL	100								
FR03DFL	200								
FR03GFL	400								
FR03JFL	600								
FR03KFL	800	500							
FR03MFL	1000								



## 0.5 Ampere

FR05AFL	50	150	0.5	15	5.0	1.3	0.5	SOD-123FL (No.: 16)	
FR05BFL	100								
FR05DFL	200								
FR05GFL	400								
FR05JFL	600								
FR05KFL	800	500							
FR05MFL	1000								
RGL34A	50	150	0.5	25	5.0	1.3	0.5	SM-2 (DO-213AA) (No.: 41)	
RGL34B	100								
RGL34D	200								
RGL34G	400								
RGL34J	600								
RGL34K	800	500							
RGL34M	1000								

## 0.7 Ampere

FR07AFL	50	150	0.7	25	5.0	1.3	0.7	SOD-123FL (No.: 16)	
FR07BFL	100								
FR07DFL	200								
FR07GFL	400								
FR07JFL	600								
FR07KFL	800	500							
FR07MFL	1000								







## 1.0 Ampere

FR1A	50	150	1.0	30	5.0	1.3	1.0	SMB (DO-214AA) (No.: 29)	
FR1B	100								
FR1D	200								
FR1G	400								
FR1J	600								
FR1K	800	500							
FR1M	1000								
FR1AFL	50	150	1.0	25	5.0	1.3	1.0	SOD-123FL (No.: 16)	
FR1BFL	100								
FR1DFL	200								
FR1GFL	400								
FR1JFL	600								
FR1KFL	800	500							
FR1MFL	1000								




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	PRV	*Trr	I <sub>O</sub>	I <sub>FSM</sub>	I <sub>R</sub>	V <sub>FM</sub>	I <sub>FM</sub>	
	V	nS	A	A	μA <sub>dc</sub>	V	A	

NOTE: \* Trr Test Conditions: I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1.0A, Recover to 0.25A.

## 1.0 Ampere

FSM101	50	150	1.0	30	5.0	1.3	1.0	SM-1 (DO-213AB) (No.: 40)	
FSM102	100								
FSM103	200								
FSM104	400								
FSM105	600								
FSM106	800								
FSM107	1000								
RS1A	50	150	1.0	30	5.0	1.3	1.0	SMA (DO-214AC) (No.: 28)	
RS1B	100								
RS1D	200								
RS1G	400								
RS1J	600								
RS1K	800	500	1.0	30	5.0	1.3	1.0	SMAFL (No.: 32)	
RS1M	1000								
RS1AF	50	150	1.0	30	5.0	1.3	1.0	SMBFL (No.: 33)	
RS1BF	100								
RS1DF	200								
RS1GF	400								
RS1JF	600								
RS1KF	800								
RS1MBF	1000	500	1.0	30	5.0	1.3	1.0	SM-1 (DO-213AB) (No.: 40)	
RS1ABF	50								
RS1BBF	100								
RS1DBF	200								
RS1GBF	400								
RS1JBF	600								
SM4933	50	200	1.0	30	5.0	1.3	1.0	SM-1 (DO-213AB) (No.: 40)	
SM4934	100								
SM4935	200								
SM4936	400								
SM4937	600								

## 2.0 Amperes

FR2A	50	150	2.0	50	5.0	1.3	2.0	SMB (DO-214AA) (No.: 29)	
FR2B	100								
FR2D	200								
FR2G	400								
FR2J	600								
FR2K	800								
FR2M	1000	500	2.0	50	5.0	1.3	2.0	SOD-123FL (No.: 16)	
FR2AFL	50								
FR2BFL	100								
FR2DFL	200								
FR2GFL	400								
FR2JFL	600								
FR2KFL	800	500	2.0	50	5.0	1.3	2.0	SOD-123FL (No.: 16)	
FR2MFL	1000								


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	PRV	*Trr	I <sub>O</sub>	I <sub>FSM</sub>	I <sub>R</sub>	V <sub>FM</sub>	I <sub>FM</sub>	
	V	nS	A	A	μAdc	V	A	

NOTE: \* Trr Test Conditions: I<sub>F</sub> = 0.5A, I<sub>R</sub> = 1.0A, Recover to 0.25A.

## 2.0 Amperes

RS2AF RS2BF RS2DF RS2GF	50 100 200 400	150	2.0	50	5.0	1.3	2.0	SMAFL (No.: 32)	
RS2JF	600	250							
RS2KF RS2MF	800 1000	500							
RS2ABF RS2BBF RS2DBF RS2GBF	50 100 200 400	150							
RS2JBF RS2KBF RS2MBF	600 800 1000	250 500							

## 3.0 Amperes

FR3A FR3B FR3D FR3G	50 100 200 400	150	3.0	100	5.0	1.3	3.0	SMC (DO-214AB) (No.: 30)	
FR3J	600	250							
FR3K FR3M	800 1000	500							
RS3AF RS3BF RS3DF RS3GF	50 100 200 400	150	3.0	100	5.0	1.3	3.0	SMAFL (No.: 32)	
RS3JF	600	250							
RS3KF RS3MF	800 1000	500							
RS3ABF RS3BBF RS3DBF RS3GBF	50 100 200 400	150							
RS3JBF RS3KBF RS3MBF	600 800 1000	250 500							

FAST RECOVERY