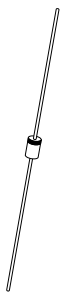
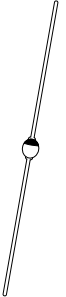
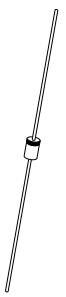


Rectifiers, Fast Recovery

1.0 to 6.0 Amperes

50 to 1200 Volts

I_O (AMPS)	1.0				
@ T_A (°C)	75	55	55	75	80
I_{FSM} (AMPS)	30	50	50	50	50
					
CASE	DO-41*	GPR-1A*			DO-41*
V_{RRM} (VOLTS)					
50	1N4933				
100	1N4934			CPR1F-010	CR1F-010
200	1N4935	1N4942	1N5615	CPR1F-020	CR1F-020
400	1N4936	1N4944	1N5617	CPR1F-040	CR1F-040
600	1N4937	1N4946	1N5619	CPR1F-060	CR1F-060
800		1N4947	1N5621	CPR1F-080	CR1F-080
1000		1N4948	1N5623	CPR1F-100	CR1F-100
1200					CR1F-120

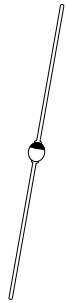

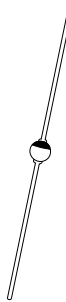
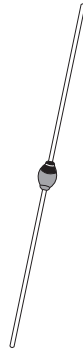
V_F MAX @ $I_F = I_O$	1.2	1.3V	1.2V	1.3V	1.2V
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I_R MAX @ V_{RRM}	5.0 μ A	1.0 μ A	0.5 μ A	5.0 μ A	5.0 μ A
t_{rr} (50V thru 400V)	200ns	150ns	150ns	200ns	150ns
t_{rr} (600V)	200ns	250ns	250ns	200ns	150ns
t_{rr} (800V)		250ns	300ns	300ns	500ns
t_{rr} (1000V)		500ns	500ns	500ns	500ns
t_{rr} (1200V)					500ns

* Also available in DO-41SP Case (0.6mm lead diameter) with Radial Tape and Reel (DO-41SP-RPCU).

Rectifiers, Fast Recovery

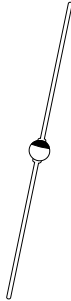


(Continued)

I_O (AMPS)	2.0		3.0	
@ T_A (°C)	75	75	55	55
I_{FSM} (AMPS)	50	50	80	80
				
CASE	GPR-1A	DO-15	GPR-3A	GPR-4AM
V_{RRM} (VOLTS)				
50	–	–	1N5185	–
100	CPR2F-010	CR2F-010	1N5186	–
200	CPR2F-020	CR2F-020	1N5187	–
400	CPR2F-040	CR2F-040	1N5188	–
500	–	–	–	1N5419
600	CPR2F-060	CR2F-060	1N5190	1N5420
800	CPR2F-080	CR2F-080	–	–
1000	CPR2F-100	CR2F-100	–	–
V_F MAX @ $I_F = I_O$	1.3V	1.3V	1.3V	1.3V
I_R MAX @ V_{RRM}	5.0 μ A	5.0 μ A	5.0 μ A	1.0 μ A
t_{rr} (50V thru 400V)	200ns	200ns	300ns	150ns
t_{rr} (500V)	–	–	–	250ns
t_{rr} (600V)	250ns	250ns	400ns	400ns
t_{rr} (800V)	500ns	500ns	–	–
t_{rr} (1000V)	500ns	500ns	–	–

(14-April 2011)

Rectifiers, Fast Recovery

(Continued)

I_O (AMPS)	3.0		5.0	6.0
@ T_A (°C)	75	80	80	60
I_{FSM} (AMPS)	100	100	125	300
CASE	 GPR-3A	 DO-201AD		 CASE 106
V_{RRM} (VOLTS)				
100	CPR3F-010	CR3F-010	CR5F-010	CR6AF1GPP*
200	CPR3F-020	CR3F-020	CR5F-020	CR6AF2GPP*
400	CPR3F-040	CR3F-040	CR5F-040	CR6AF4GPP*
600	CPR3F-060	CR3F-060	CR5F-060	CR6AF6GPP*
800	CPR3F-080	CR3F-080	CR5F-080	CR6AF8GPP*
1000	CPR3F-100	CR3F-100	CR5F-100	CR6AF10GPP*

V_F MAX @ $I_F = I_O$	1.3V	1.3V	1.3V	1.2V
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I_R MAX @ V_{RRM}	5.0 μ A	5.0 μ A	5.0 μ A	10 μ A
t_{rr} (50V thru 400V)	250ns	150ns	150ns	200ns
t_{rr} (600V)	250ns	250ns	250ns	250ns
t_{rr} (800V)	400ns	500ns	500ns	500ns
t_{rr} (1000V)	500ns	500ns	500ns	500ns

* Device utilizes glass passivated chip for high reliability.