

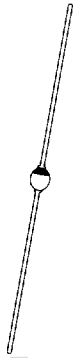



# Rectifiers, General Purpose

1.0 to 250 Amperes  
50 to 1600 Volts

IO (AMPS)	1.0				
@ TA (°C)	75	75	75	55	100
IFSM (AMPS)	30	50	50	50	50
					
CASE	GPR-1A	DO-41 *		GPR-1A	DO-41 Glass
VRRM (VOLTS)					
50		1N4001	1N4001GPP**		
100		1N4002	1N4002GPP**		
200	1N3611	1N4003	1N4003GPP**	1N4245	1N4383
400	1N3612	1N4004	1N4004GPP**	1N4246	1N4384
600	1N3613	1N4005	1N4005GPP**	1N4247	1N4385
800	1N3614	1N4006	1N4006GPP**	1N4248	1N4585
1000	1N3957	1N4007	1N4007GPP**	1N4249	1N4586

VF MAX @ IF = IO	1.1V	1.1V	1.1V	1.2V	1.1V
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IR MAX @ VRRM	1.0µA	5.0µA	5.0µA	1.0µA	10µA
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\* Also available in DO-41SP Case (0.6mm lead diameter) with Radial Tape and Reel (DO-41SP-RPCU). See page 239.

\*\* Device utilizes glass passivated chip for high reliability.

# Rectifiers, General Purpose

(Continued)

I <sub>O</sub> (AMPS)	1.0			1.5		
	@ T <sub>A</sub> (°C)	75	55	75	70	75
I <sub>FSM</sub> (AMPS)	50	50	50	50	50	50
CASE	 GPR-1A			 DO-41*		
V <sub>RRM</sub> (VOLTS)						
50				1N5391		
100			CPR1-010	1N5392	CR1-010	
200	1N5059	1N5614	CPR1-020	1N5393	CR1-020	
300				1N5394		
400	1N5060	1N5616	CPR1-040	1N5395	CR1-040	
500				1N5396		
600	1N5061	1N5618	CPR1-060	1N5397	CR1-060	
800	1N5062	1N5620	CPR1-080	1N5398	CR1-080	
1000		1N5622	CPR1-100	1N5399	CR1-100	
1200			CPR1-120		CR1-120	




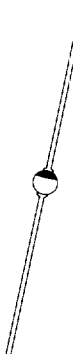
V <sub>F</sub> MAX @ I <sub>F</sub> = I <sub>O</sub>	1.2V	1.2V	1.1V	1.4V	1.1V
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I <sub>R</sub> MAX @ V <sub>RRM</sub>	5.0μA	0.5μA	5.0μA	10μA	5.0μA
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\* Also available in DO-41SP Case (0.6mm lead diameter) with Radial Tape and Reel (DO-41SP-RPCU). See page 239.

# Rectifiers, General Purpose

(Continued)

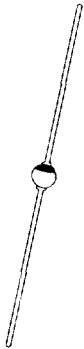


I <sub>O</sub> (AMPS)	2.0		3.0		
	75	50	75	55	75
© T <sub>A</sub> (°C)	75	50	75	55	75
I <sub>FSM</sub> (AMPS)	50	50	200	100	125
CASE	 GPR-1A	 DO-15	 DO-201AD	 GPR-3A	
V <sub>RRM</sub> (VOLTS)					
50			1N5400		
100	CPR2-010	CR2-010	1N5401		
200	CPR2-020	CR2-020	1N5402	1N5550	1N5624
300			1N5403		
400	CPR2-040	CR2-040	1N5404	1N5551	1N5625
500			1N5405		
600	CPR2-060	CR2-060	1N5406	1N5552	1N5626
800	CPR2-080	CR2-080	1N5407	1N5553	1N5627
1000	CPR2-100	CR2-100	1N5408	1N5554	
1200	CPR2-120	CR2-120			
1400		CR2-140			
1600		CR2-160			

V <sub>F</sub> MAX @ I <sub>F</sub> = I <sub>O</sub>	1.2V	1.1V	1.1V	1.1V	1.0V
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I <sub>R</sub> MAX @ V <sub>RRM</sub>	5.0μA	10μA	10μA	1.0μA	5.0μA
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# Rectifiers, General Purpose

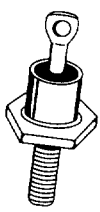
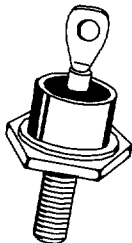
(Continued)

IO (AMPS)	3.0			5.0	6.0
@ TA (°C)	75	100	75	75	60
IFSM (AMPS)	125	200	125	200	400
					
CASE	GPR-3A	DO-201AD		CASE 106	
VRRM (VOLTS)					
50		CR3-005	CR3-005GPP*		
100	CPR3-010	CR3-010	CR3-010GPP*	CR5-010	
200	CPR3-020	CR3-020	CR3-020GPP*	CR5-020	
400	CPR3-040	CR3-040	CR3-040GPP*	CR5-040	CR6A4GPP*
600	CPR3-060	CR3-060	CR3-060GPP*	CR5-060	CR6A6GPP*
800	CPR3-080	CR3-080	CR3-080GPP*	CR5-080	CR6A8GPP*
1000	CPR3-100	CR3-100	CR3-100GPP*	CR5-100	CR6A10GPP*
1200		CR3-120			
VF MAX @ IF = IO	1.1V	1.1V	1.1V	1.2V	1.0V
IR MAX @ VRRM	5.0µA	10µA	5.0µA	5.0µA	10µA

\* Device utilizes glass pasivated chip for high reliability.

# Rectifiers, General Purpose

(Continued)

IO (AMPS)	12	16	20	40
@ T <sub>C</sub> (°C)	150	150	150	150
IFSM (AMPS)	300	325	350	800
				
CASE	DO-4 *			DO-5 *
VRRM (VOLTS)				
100	CR12-010	CR16-010	CR20-010	CR40-010
200	CR12-020	CR16-020	CR20-020	CR40-020
400	CR12-040	CR16-040	CR20-040	CR40-040
600	CR12-060	CR16-060	CR20-060	CR40-060
800	CR12-080	CR16-080	CR20-080	CR40-080
1000	CR12-100	CR16-100	CR20-100	CR40-100
1200	CR12-120	CR16-120	CR20-120	CR40-120


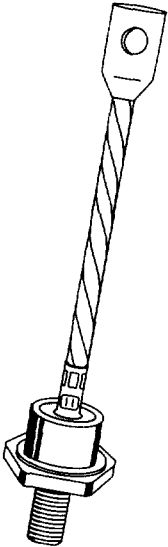
V <sub>F</sub> MAX @ I <sub>F</sub> = I <sub>O</sub>	1.1V	1.1V	1.1V	1.1V
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I <sub>R</sub> MAX @ VRRM	10μA	10μA	10μA	100μA
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\* Standard polarity is cathode to case. For reverse polarity add "R" suffix to part number.

# Rectifiers, General Purpose

(Continued)

IO (AMPS)	60	80	150	250
@ T <sub>C</sub> (°C)	150	150	150	150
IFSM (AMPS)	900	1500	3000	5000
				
<b>CASE</b>	DO-5 *		DO-8 *	
<b>VRRM (VOLTS)</b>				
<b>100</b>	CR60-010	CR80-010	CR150-010	CR250-010
<b>200</b>	CR60-020	CR80-020	CR150-020	CR250-020
<b>400</b>	CR60-040	CR80-040	CR150-040	CR250-040
<b>600</b>	CR60-060	CR80-060	CR150-060	CR250-060
<b>800</b>	CR60-080	CR80-080	CR150-080	CR250-080
<b>1000</b>	CR60-100	CR80-100	CR150-100	CR250-100
<b>1200</b>	CR60-120	CR80-120	CR150-120	CR250-120

<b>V<sub>F</sub> MAX @ I<sub>F</sub> = I<sub>O</sub></b>	1.1V	1.2V	1.1V	1.1V
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<b>I<sub>R</sub> MAX @ VRRM</b>	100μA	100μA	1.0mA	2.0mA
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\* Standard polarity is cathode to case. For reverse polarity add "R" suffix to part number.