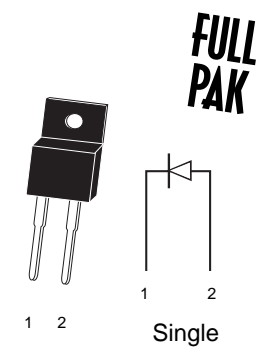


# Rectifiers, Ultra Fast

1.0 to 8 Amperes

50 to 1000 Volts

$I_O$ (AMPS)	1.0	3.0	5.0	8.0
@ $T_A$ (°C)	75	55	55	
@ $T_C$ (°C)				25
$I_{FSM}$ (AMPS)	30	150	175	125
<b>CASE</b>	DO-41*	DO-201AD		
<b><math>V_{RRM}</math> (VOLTS)</b>				
50	UF4001			
100	UF4002	CR3U-010	CR5U-010	
200	UF4003	CR3U-020	CR5U-020	CR8U-02FP
400	UF4004	CR3U-040	CR5U-040	CR8U-04FP
600	UF4005	CR3U-060	CR5U-060	
800	UF4006	CR3U-080	CR5U-080	CR8U-08FP
1000	UF4007	CR3U-100	CR5U-100	

$V_F$ MAX @ $I_F=I_O$				
(50V thru 200V)	1.0V	1.0V	1.1V	0.895V
(400V)	1.0V	1.3V	1.3V	1.1V
(600V thru 1000V)	1.7V	1.7V	1.7V	1.2V

$I_R$ MAX @ $V_{RRM}$	10 $\mu$ A	10 $\mu$ A	10 $\mu$ A	5.0 $\mu$ A***
$t_{rr}$ (50V thru 200V)	50ns	50ns	50ns	30 ns
$t_{rr}$ (400V)	50ns	50ns	50ns	30 ns
$t_{rr}$ (600V thru 1000V)	75ns	75ns	100ns	90 ns

\* Also available in DO-41SP Case (0.6mm lead diameter) with Radial Tape and Reel (DO-41SP-RPCU).  
See pages 239 thru 240.

\*\* Standard polarity is cathode to case. For reverse polarity add "R" suffix to part number.

\*\*\* 200 Volt device

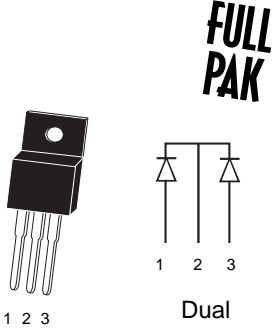
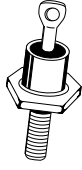

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# Rectifiers, Ultra Fast

16 to 30 Amperes

50 to 1000 Volts

I <sub>O</sub> (AMPS)	16	30	70
@ T <sub>A</sub> (°C)			
@ T <sub>C</sub> (°C)	25	120	120
I <sub>FSM</sub> (AMPS)	125	300	700
	 <p style="text-align: center;"><b>FULL PAK</b></p> <p style="text-align: center;">Dual</p>		
CASE	TO-220FP	DO-4**	DO-5**
V <sub>RRM</sub> (VOLTS)			
100		CR30U-010	CR70U-010
200	CR16UD-02FP	CR30U-020	CR70U-020
400	CR16UD-04FP	CR30U-040	CR70U-040
600		CR30U-060	CR70U-060
800	CR16UD-08FP	CR30U-080	CR70U-080

V <sub>F</sub> MAX @ I <sub>F</sub> =I <sub>O</sub>			
(50V thru 200V)	0.895V @ 8.0A	0.975V	0.975V
(400V)	1.1V @ 8.0A	1.2V	1.25V
(600V thru 1000V)	1.2V @ 8.0A	1.3V	1.35V

I <sub>R</sub> MAX @ V <sub>RRM</sub>	5.0μA ***	25μA	25μA
t <sub>rr</sub> (50V thru 200V)	30ns	35ns	50ns
t <sub>rr</sub> (400v)	30ns	50ns	60ns
t <sub>rr</sub> (600V thru 1000V)	90ns	75ns	75ns

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

See pages 239 thru 240.

\*\* Standard polarity is cathode to case. For reverse polarity add "R" suffix to part number.

\*\*\* 200 Volt device

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