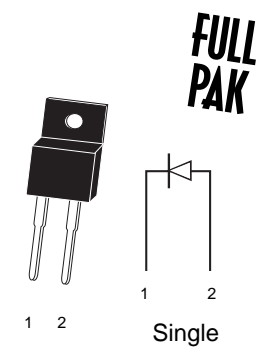


Rectifiers, Ultra Fast

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
CASE	DO-41*	DO-201AD		
V_{RRM} (VOLTS)				
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 μ A	10 μ A	10 μ A	5.0 μ 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

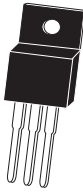

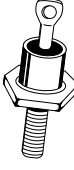

(6-December 2004)

Central
Semiconductor Corp.
www.centalsemi.com

Rectifiers, Ultra Fast

16 to 70 Amperes

100 to 800 Volts

I_O (AMPS)	16	30	70
@ T_C ($^{\circ}C$)	25	120	120
I_{FSM} (AMPS)	125	300	700
CASE	  <p>FULL PAK</p> <p>1 2 3</p> <p>Dual</p> <p>TO-220FP</p>	 <p>DO-4**</p>	 <p>DO-5**</p>
V_{RRM} (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_F MAX @ $I_F=I_O$			
(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_R MAX @ V_{RRM}	5.0 μ A ***	25 μ A	25 μ A
t_{rr} (50V thru 200V)	50ns	35ns	50ns
t_{rr} (400V)	50ns	50ns	60ns
t_{rr} (600V thru 1000V)	100ns	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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(5-June 2012)