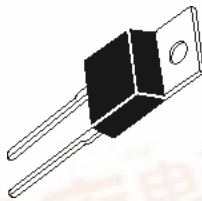


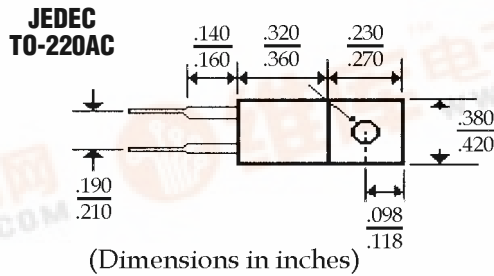
**8.0 Amp ULTRAFAST PLASTIC RECTIFIERS**

**UF08-00 . . . -10 Series**

**Description**



**Mechanical Dimensions**



**Features**

- **LOW FORWARD VOLTAGE**
- **HIGH SURGE CAPABILITY**
- **ULTRAFAST RECOVERY TIME**
- **MEETS UL SPECIFICATION 94V-0**

	<b>UF08-00 . . . -10 Series</b>											<b>Units</b>		
<b>Maximum Ratings</b>	<b>-00</b>	<b>-01</b>	<b>-01A</b>	<b>-02</b>	<b>-03</b>	<b>-04</b>	<b>-05</b>	<b>-06</b>	<b>-07</b>	<b>-08</b>	<b>-09</b>	<b>-10</b>		
Peak Repetitive Reverse Voltage... $V_{RRM}$	50	100	150	200	300	400	500	600	700	800	900	1000	Volts	
Working Peak Reverse Voltage... $V_{RWM}$	50	100	150	200	300	400	500	600	700	800	900	1000	Volts	
DC Blocking Voltage... $V_{DC}$	50	100	150	200	300	400	500	600	700	800	900	1000	Volts	
Average Forward Rectified Current... $I_{F(av)}$ $T_C = 150^\circ\text{C}$ @ Rated $V_{DC}$							8.0						Amps	
Repetitive Peak Forward Surge Current... $I_{FM}$ @ Rated $V_{DC}$ , Square Wave, 20 kHz, $T_C = 150^\circ\text{C}$							16						Amps	
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Load Cond., 1/2 Wave, Single Phase, 60Hz							100						Amps	
Operating & Storage Temperature Range... $T_J$ , $T_{STRG}$	-65 to 150											$^\circ\text{C}$		
<b>Electrical Characteristics</b>														
Maximum Forward Voltage... $V_F$ @ $I_F = 8$ Amps, $PW = 300\mu\text{s}$			$T_C = 150^\circ\text{C}$	< ... 0.895 ... >	< ... 1.0 ... >	< ... 1.2 ... >	< ... 1.5 ... >						Volts	
			$T_C = 25^\circ\text{C}$	< ... 0.975 ... >	< ... 1.3 ... >	< ... 1.5 ... >	< ... 1.8 ... >						Volts	
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage			$T_C = 150^\circ\text{C}$	< ... 250 ... >	< ... 500 ... >	< ... 500 ... >	< ... 500 ... >						$\mu\text{Amps}$	
			$T_C = 25^\circ\text{C}$	< ... 5.0 ... >	< ... 10 ... >	< ... 10 ... >	< ... 25 ... >						$\mu\text{Amps}$	
Maximum Thermal Resistance... $R_{\theta JC}$				< ... 3.0 ... >				2.0						$^\circ\text{C} / \text{W}$
Maximum Reverse Recovery Time... $t_{RR}$ @ $I_F = 1.0$ Amp, $di/dt = 50$ Amps/ $\mu\text{s}$				< ... 35 ... >	< ... 60 ... >	< ... 60 ... >	< ... 100 ... >						ns	
@ $I_F = 0.5$ Amps, $I_R = 1.0$ Amps, $I_{RR} = 0.25$ Amps				< ... 25 ... >	< ... 50 ... >	< ... 50 ... >	< ... 75 ... >						ns	



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