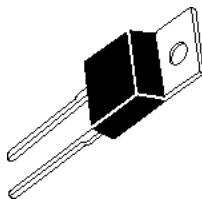


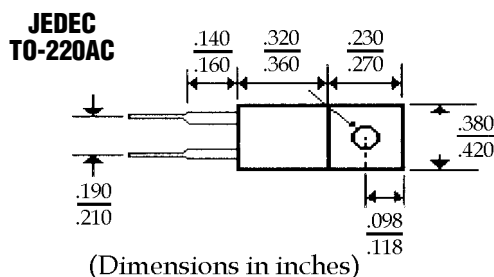
8.0 Amp ULTRAFAST PLASTIC RECTIFIERS

UF08-00 . . . -10 Series

Description



Mechanical Dimensions



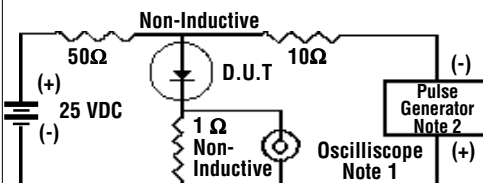
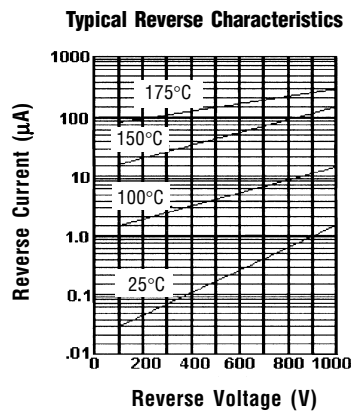
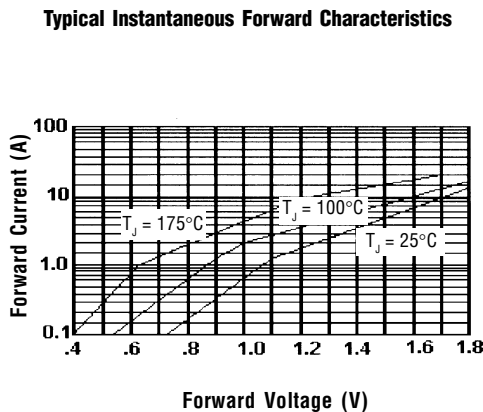
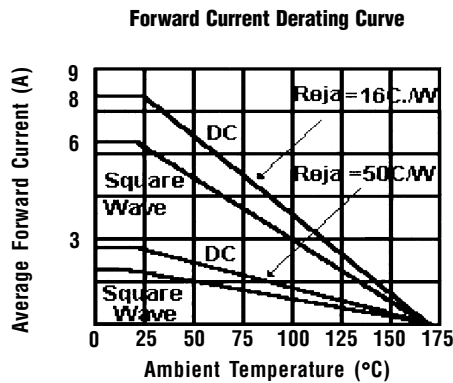
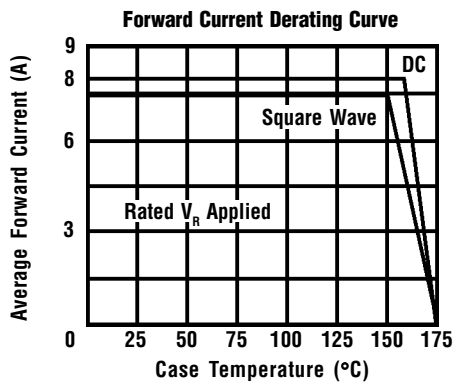
Features

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

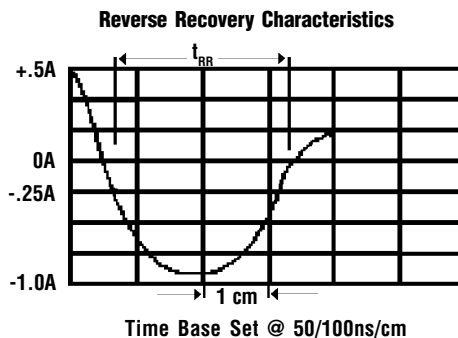
UF08-00 . . . -10 Series												Units	
Maximum Ratings													
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	150	200	300	400	500	600	700	800	900	1000	Volts
Working Peak Reverse Voltage... V_{RWM}	50	100	150	200	300	400	500	600	700	800	900	1000	Volts
DC Blocking Voltage... V_{DC}	50	100	150	200	300	400	500	600	700	800	900	1000	Volts
Electrical Characteristics													
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., ½ Wave, Single Phase, 60Hz							100						Amps
Operating & Storage Temperature Range... T_J, T_{STRG}							-65 to 150						°C
Electrical Characteristics													
Maximum Forward Voltage... V_F @ $I_F = 8$ Amps, PW = 300µs	$T_C = 150^{\circ}\text{C}$	< ... 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 >			µAmps	
	$T_C = 25^{\circ}\text{C}$	< ... 5.0 ... >					< 10 ... >	< 10 ... >	< 25 >			µAmps	
Maximum Thermal Resistance... $R_{\theta JC}$	< ... 3.0 ... >					 2.0							°C / W
Maximum Reverse Recovery Time... t_{RR} $I_F = 1.0$ Amp, di/dt = 50 Amps/µs	< ... 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		

8.0 Amp ULTRAFAST PLASTIC RECTIFIERS

UF08-00 . . . -10 Series



- Notes: 1. Rise Time = 7 ns Max.
Impedance = 1 megohm, 22 pF
2. Rise Time = 10 ns Max.
Source Impedance = 50 Ohms



Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 Hz Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.