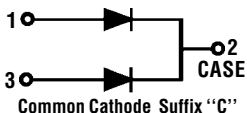
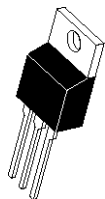
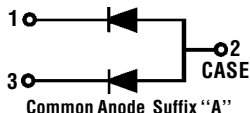
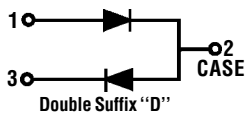


10 Amp SUPER FAST RECOVERY POWER RECTIFIERS

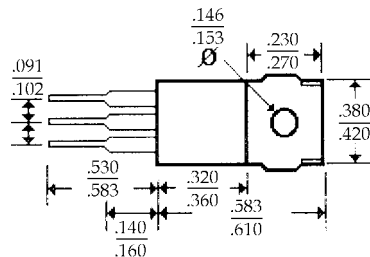
UF10C05.....10C60

Description



Mechanical Dimensions

**JEDEC
TO-220AB**



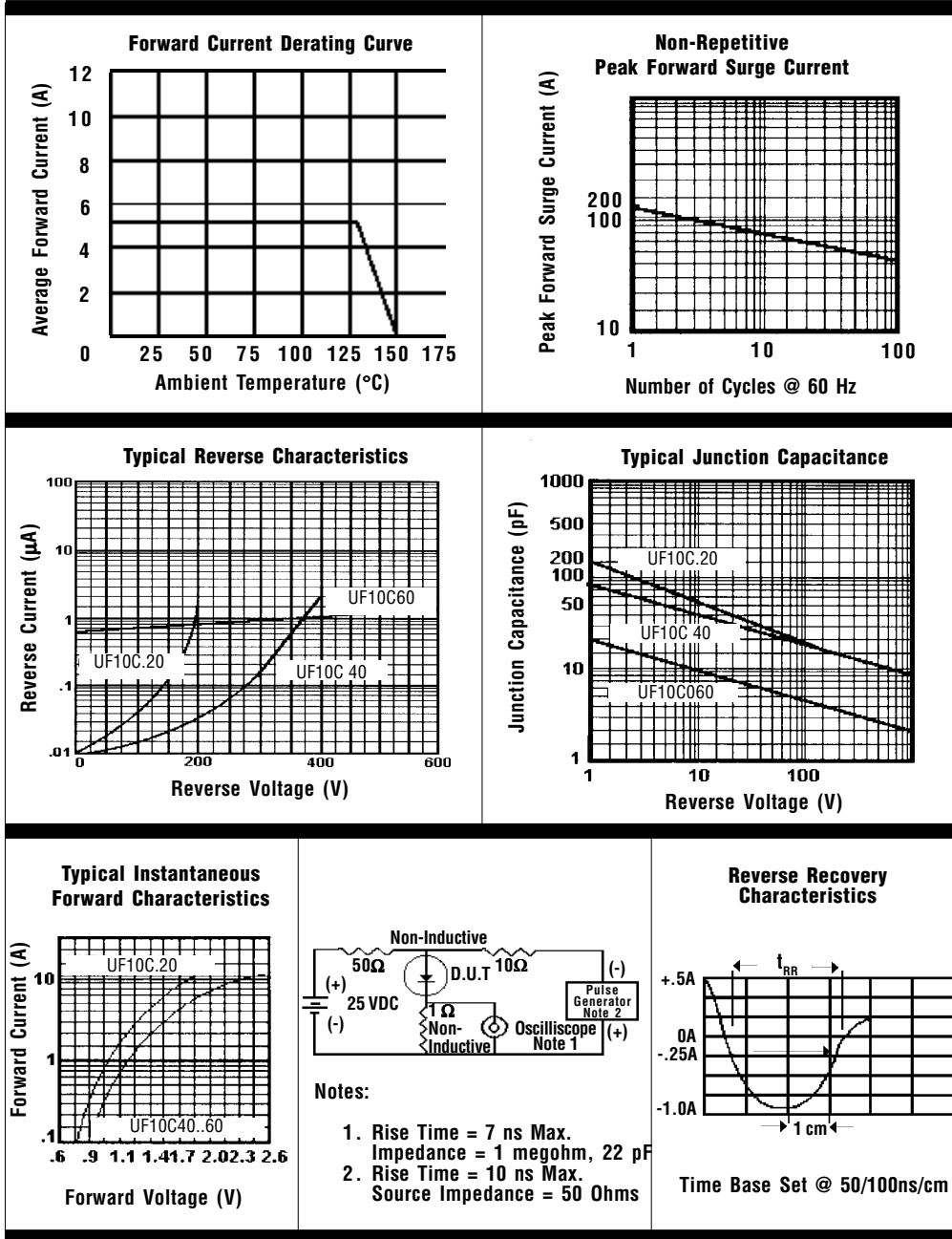
(Dimensions in inches)

Features

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

UF10C05....UF10C60					Units					
Maximum Ratings										
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	300	400	500	600	Volts		
Working Peak Reverse Voltage... V_{RWM}	05	100	200	300	400	500	600	Volts		
DC Blocking Voltage... V_{DC}	05	100	200	300	400	500	600	Volts		
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	210	280	350	420	Volts		
Average Forward Rectified Current... $I_{F(av)}$ (Per Leg) $T_C = 100^\circ\text{C} @ \text{Rated } V_{DC} \text{ (Total)}$				5				Amps Amps		
Repetitive Peak Forward Surge Current... I_{FM} @ Rated V_{DC} , Square Wave, 20 kHz, $T_C = 100^\circ\text{C}$				10				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}				-50 to 150				$^\circ\text{C}$		
Electrical Characteristics, Per Diode Leg										
Maximum Forward Voltage... V_F @ $I_F = 5 \text{ Amps}$, $PW = 300\mu\text{s}$ $T_C = 25^\circ\text{C}$		----	0.95	----	---	1.3	----	---1.5----	Volts	
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage $T_C = 125^\circ\text{C}$ $T_C = 25^\circ\text{C}$					500				μAmps μAmps	
Maximum Reverse Recovery Time... t_{RR} $I_F = 0.5 \text{ Amp}$, $I_R = 1\text{A}$, $I_{rr} = 0.25\text{A}$						-----	35	-----	50	ns

10 Amp SUPER FAST RECOVERY POWER RECTIFIERS



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%.