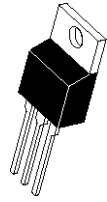
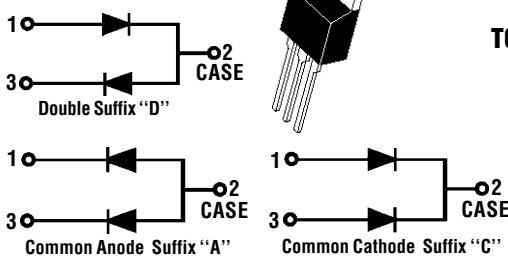




10 Amp SUPER FAST RECOVERY POWER RECTIFIERS

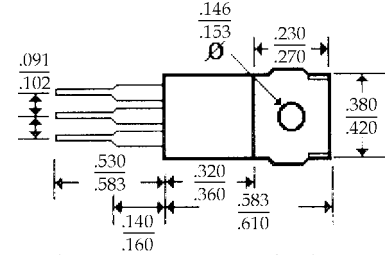
UF10C05.....10C60

Description



Mechanical Dimensions

JEDEC TO-220AB

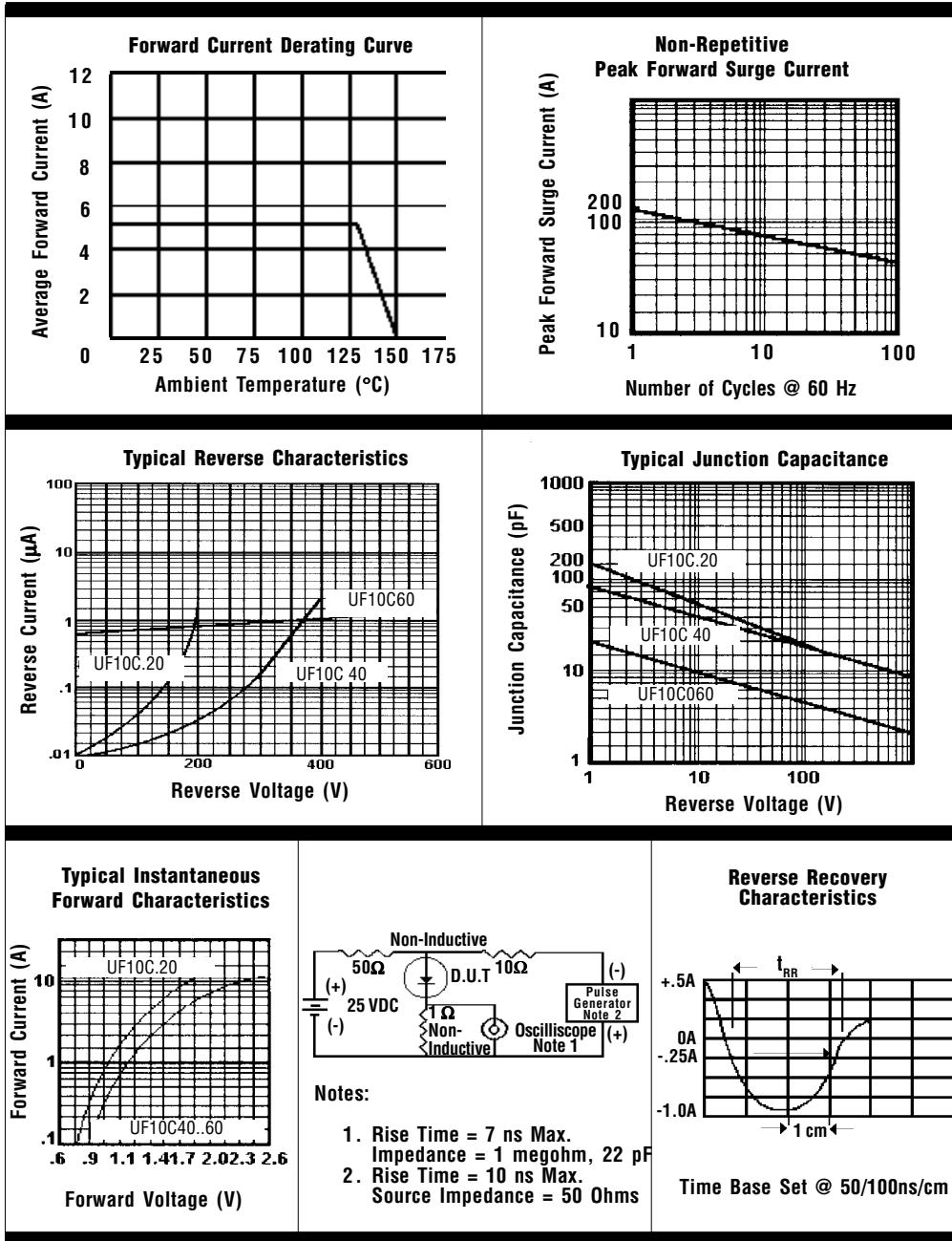


Features

- LOW FORWARD VOLTAGE
- SUPER FAST RECOVERY TIME
- HIGH SURGE CAPABILITY
- 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) $T_C = 100^\circ\text{C}$ @ Rated V_{DC} (Total)	5 10	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 @ $I_F = 5$ Amps, PW = 300 μs $T_C = 25^\circ\text{C}$	---- 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 10	μAmps μAmps
Maximum Reverse Recovery Time... t_{RR} $I_F = 0.5$ Amp, $I_R = 1$ A, $I_{rr} = 0.25$ 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%.