

## SUPER FAST GLASS PASSIVATED RECTIFIERS

## ITO-220AB

## FEATURES:

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Ideally suited for free wheeling diode power factor correction applications
- Excellent high temperature switching
- Optimized to reduce switchin losses
- High temperature soldering guaranteed: 250°C/10 seconds, 0.25"(6.35mm) from case

## MECHANICAL DATA

Case : JEDEC ITO-220AB molded plastic

Terminals : Leads solderable per MIL-STD-750

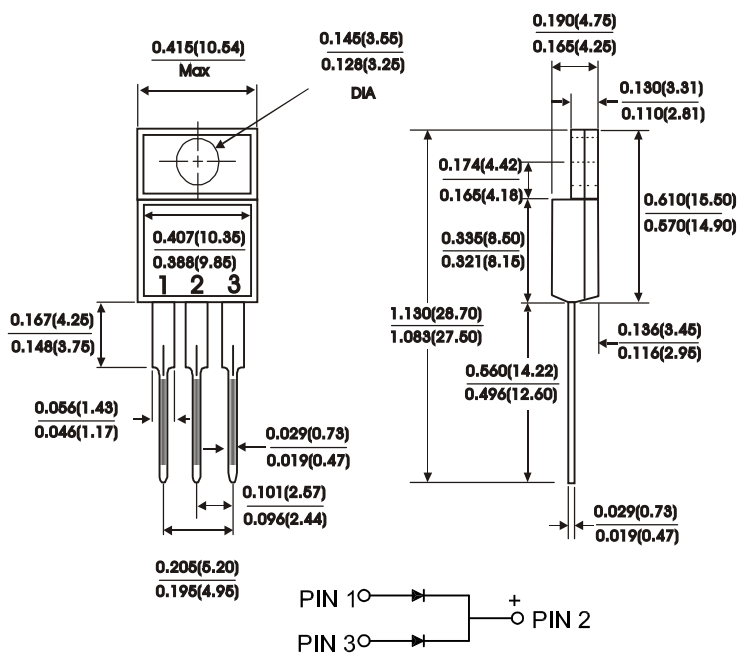
Method 2026

Polarity : As marked

Mounting Postifion : Any

Mounting Torque 5 In - lbs.max

Weight : 0.08 ounce, 2.24 grams



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

Single phase half wave, 60 Hz resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristic	Symbol	UFF 20005CT	UFF 2001CT	UFF 2002CT	UFF 2003CT	UFF 2004CT	UFF 2006CT	UFF 2008CT	Units
Maximum recurrent peak reverse voltage	$V_{RRM}$	50	100	200	300	400	600	800	Volts
Maximum RMS voltage	$V_{RMS}$	35	70	140	210	280	280	560	Volts
Maximum DC blocking voltage	$V_{DC}$	50	100	200	300	400	600	800	Volts
Maximum average forward rectified current at $T_c=100^\circ\text{C}$	$I_{(AV)}$	20.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)(Per leg)	$I_{FSM}$	150							Amps
Maximum instantaneous forward voltage (Per leg) $I_F=10A$	$V_F$	1.0		1.30		1.70		Volts	
Maximum DC reverse current at rated DC blocking voltage (Per leg) $T_c=25^\circ\text{C}$ $T_c=125^\circ\text{C}$	$I_R$	10.0 500.0							$\mu\text{A}$
Typical reverse recovery time (Per leg)(NOTE 1)	$T_{RR}$	50			75		100		nS
Typical junction capacitance (Per leg)(NOTE 2)	$C_J$	50							$P_F$
Operating temperature range	$T_J$	-55to+150							$^\circ\text{C}$
Storage temperature range	$T_{Stg}$	-55to+150							$^\circ\text{C}$

## NOTES:

(1) Reverse Recovery Test CONDITION :  $I_F=0.5A, I_R=1.0A, I_{RR}=0.25A$ 

(2) Measured at 1 MHz and reverse Voltage of 4.0V

(3) Marking : UFF20005CT = UFF20005 (Without Marking "CT")  
Symbol Marking

