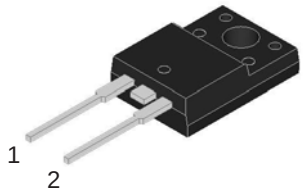
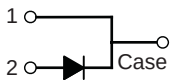
8 Amp. Glass Passivated Rectifier

ITO-220AC





Case Positive

Voltage	Current
600 to 1000 V	8 A

- **Glass Passivated Junction**
- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Leads solderable per MIL-STD202
- Low forward Voltage drop

Absolute Maximum Ratings, according to IEC publication No. 134

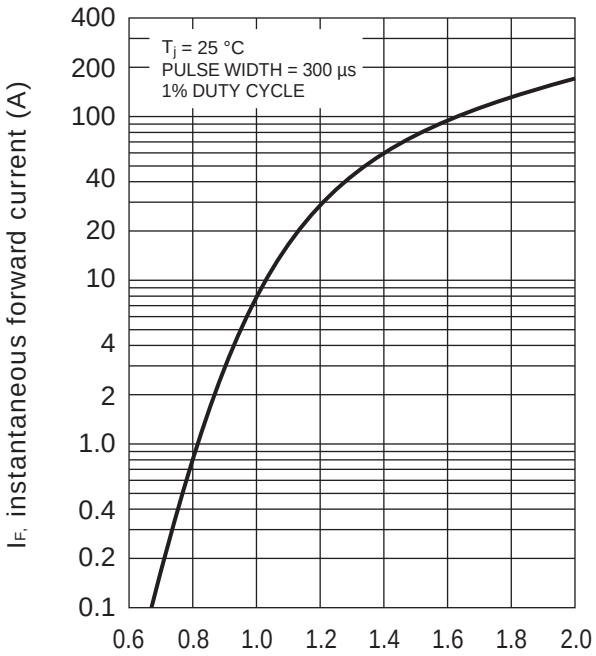
		GPAF805	GPAF807
V_{RRM}	Peak recurrent reverse voltage (V)	600	1000
V_{RMS}	Maximum RMS voltage (V)	420	700
V_{DC}	Maximum DC blocking voltage (V)	600	1000
$I_{F\ (AV)}$	Maximum average Forward current at T_C = 100°C	8 A	
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	150 A	
C_j	Typical Junction Capacitance at 1 MHz and reverse voltaje of $4V_{DC}$	50 pF	
T_j	Operating temperature range	– 65 to + 150 °C	
T_{stg}	Storage temperature range	– 65 to + 150 °C	

Electrical Characteristics

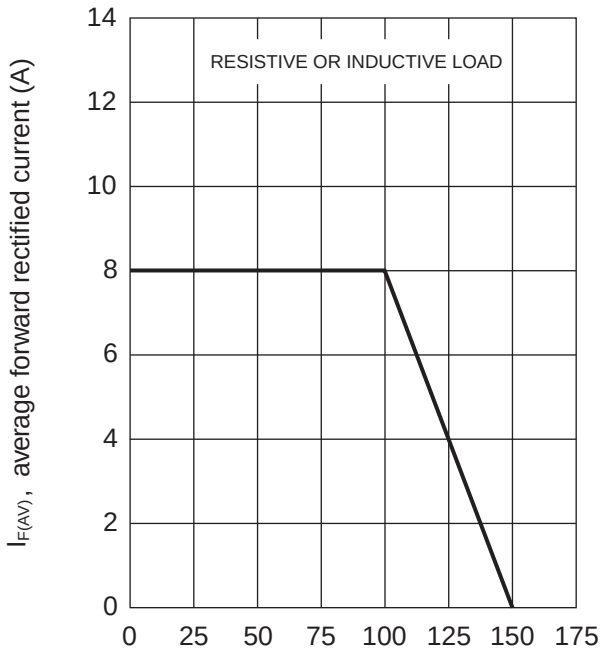
			GPAF805	GPAF807
V_F	Max. forward voltage drop at I_F = 8 A	T_j = 25 °C	1.1 V	
I_R	Max. Instantaneous reverse current at $V_R = V_{RRMax}$	T_j = 25 °C	5 µA	
$R_{thj\text{-}C}$	Typical Thermal Resistance		5.0 °C/W	

Rating And Characteristic Curves

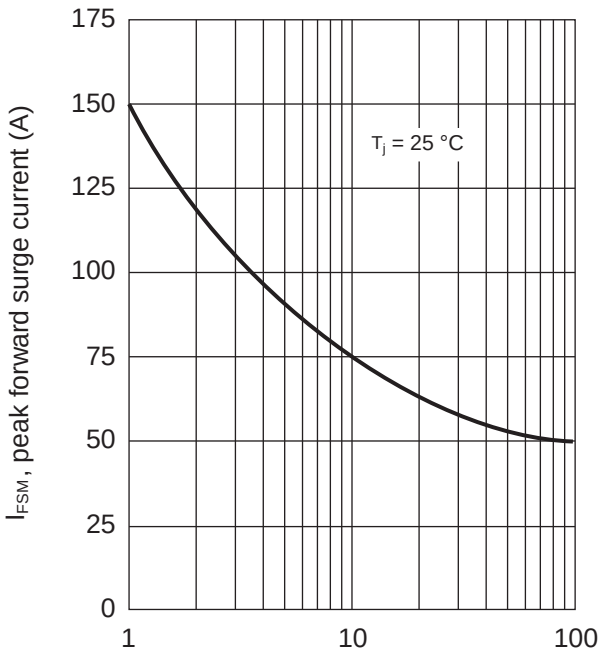
TYPICAL FORWARD CHARACTERISTIC



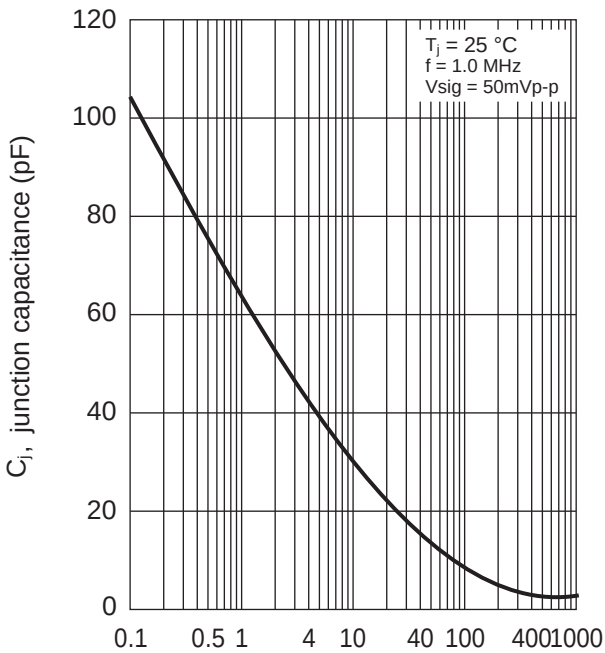
FORWARD CURRENT DERATING CURVE



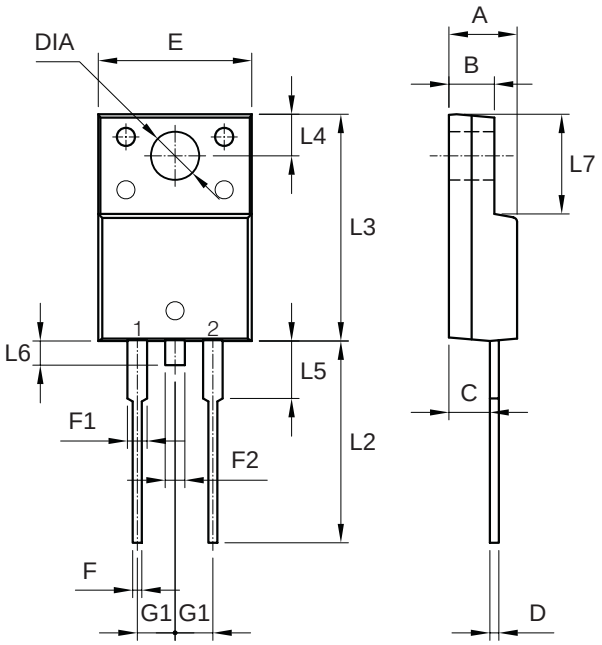
MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE



PACKAGE MECHANICAL DATA ITO-220AC



REF.	DIMENSIONS		
	Milimeters		
	Min.	Nominal	Max.
A	4.40	-	4.70
B	3.00	-	3.16
C	2.50	-	2.80
D	0.50	-	0.76
E	9.90	-	10.30
F	0.50	-	0.90
F1	1.10	-	1.40
F2	-	-	1.80
G1	2.40	2.55	2.70
L2	13.20	-	13.80
L3	14.80	-	15.50
L4	2.55	-	2.85
L5	3.70	-	4.10
L6	-	-	1.60
L7	6.30	-	6.90
DIA	3.00	-	3.40