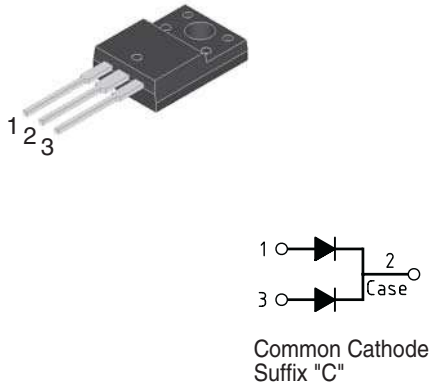


10 Amp. Glass Passivated Rectifier

ITO-220AB  Common Cathode Suffix "C"	<table> <tr> <td>Voltage 600 to 1000 V</td><td>Current 10 A</td></tr> </table> • Glass Passivated Junction • High current capability • The plastic material U/L recognition 94 V-0 • Terminals: Leads solderable per MIL-STD202 • Low forward Voltage drop	Voltage 600 to 1000 V	Current 10 A
Voltage 600 to 1000 V	Current 10 A		

Absolute Maximum Ratings, according to IEC publication No. 134

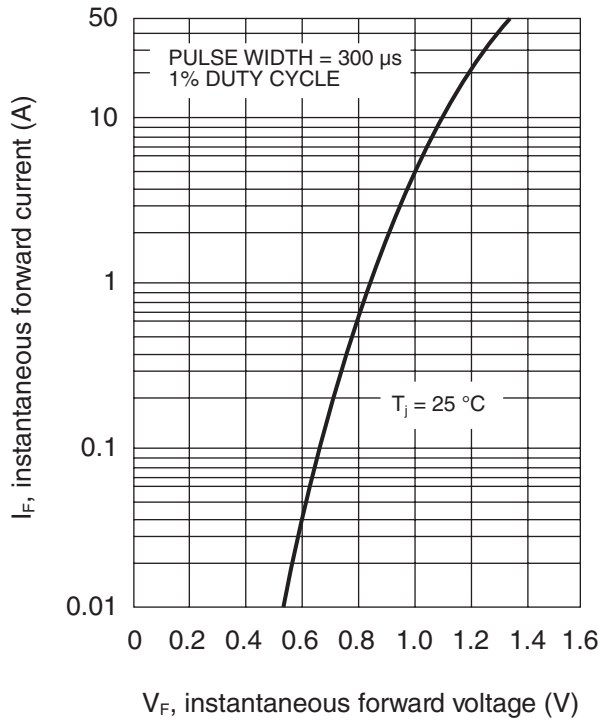
		GPF1005	GPF1007
V_{RRM}	Peak recurrent reverse voltage (V)	600	1000
V_{RMS}	Maximum RMS voltage (V)	420	700
V_{DC}	Maximum DC blocking voltage (V)	600	1000
$I_{F(AV)}$	Maximum average Forward current at $T_C = 100\text{ }^{\circ}\text{C}$ (both diodes conducting)	10 A	
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	125 A	
C_j	Typical Junction Capacitance at 1 MHz and reverse voltage of $4V_{DC}$	30 pF	
T_j	Operating temperature range	- 65 to + 150 $^{\circ}\text{C}$	
T_{stg}	Storage temperature range	- 65 to + 150 $^{\circ}\text{C}$	

Electrical Characteristics

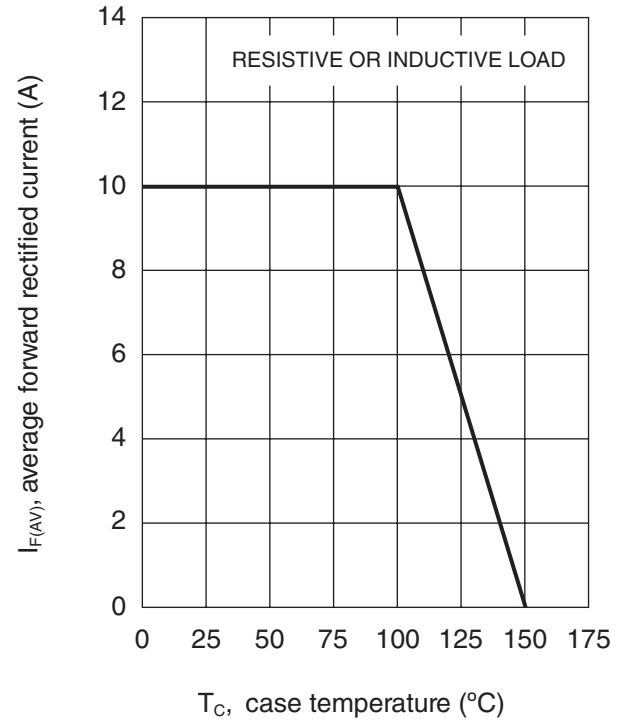
		GPF1005	GPF1007
V_F	Max. forward voltage drop at $I_F = 5\text{ A}$ $T_j = 25\text{ }^{\circ}\text{C}$	1.1 V	
I_R	Max. Instantaneous reverse current at $V_R = V_{RRMax}$ $T_j = 25\text{ }^{\circ}\text{C}$ $T_j = 125\text{ }^{\circ}\text{C}$	5 μA	
		100 μA	
R_{thj-C}	Typical Thermal Resistance	5.0 $^{\circ}\text{C/W}$	

10 Amp. Glass Passivated Rectifier

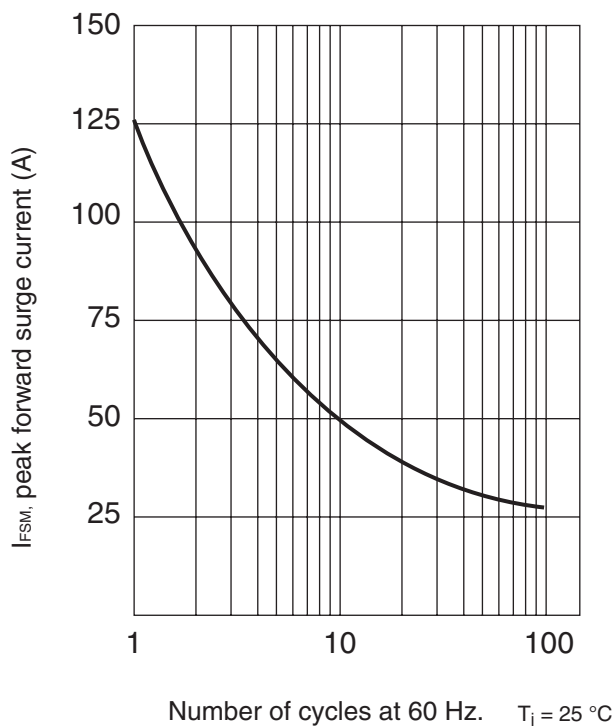
TYPICAL FORWARD CHARACTERISTIC



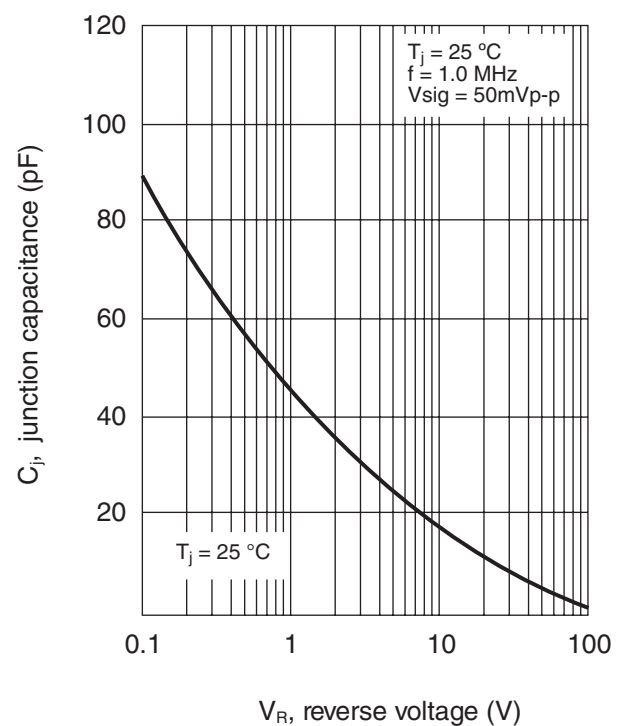
FORWARD CURRENT DERATING CURVE

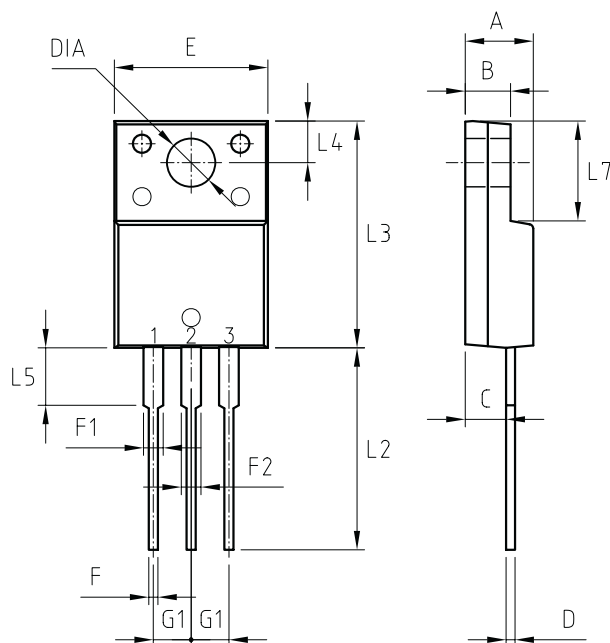


MAXIMUM NON-REPETITIVE
PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE



10 Amp. Glass Passivated Rectifier
PACKAGE MECHANICAL DATA
ITO-220AB


REF.	DIMENSIONS		
	Milimeters		
	Min.	Nominal	Max.
A	4.4	-	4.7
B	3.0	-	3.16
C	2.5	-	2.8
D	0.5	-	0.76
E	9.9	-	10.3
F	0.5	-	0.9
F1	1.1	-	1.4
F2	-	-	1.8
G1	2.4	2.55	2.7
L2	13.2	-	13.8
L3	14.8	-	15.5
L4	2.55	-	2.85
L5	3.7	-	4.1
L7	6.3	-	6.9
DIA	3.0	-	3.4