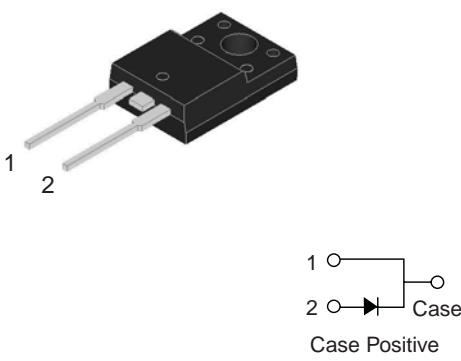


8 Amp. Glass Passivated Ultrafast Recovery Rectifier

ITO-220AC 	Voltage 200 to 600 V	Current 8 A
	<ul style="list-style-type: none"> • 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

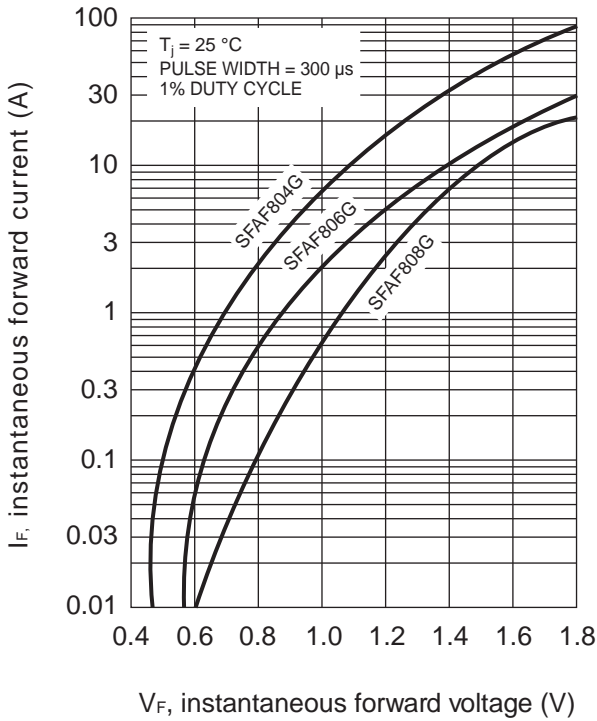
		SFAF804G	SFAF806G	SFAF808G
V_{RRM}	Peak recurrent reverse voltage (V)	200	400	600
V_{RMS}	Maximum RMS voltage (V)	140	280	420
V_{DC}	Maximum DC blocking voltage (V)	200	400	600
$I_{F(AV)}$	Maximum average Forward current. at $T_C = 100\text{ }^\circ\text{C}$	8 A		
I_{FSM}	8.3 ms. peak forward surge current (Jedec Method)	125 A		
T_{RR}	Max. reverse recovery time from $I_F = 0.5\text{ A}$; $I_R = 1\text{ A}$; $I_{RR} = 0.25\text{ A}$	35 ns		
C_j	Typical Junction Capacitance at 1 MHz and reverse voltage of $4V_{DC}$	90 pF	60 pF	
T_j	Operating temperature range	- 65 to + 150 °C		
T_{stg}	Storage temperature range	- 65 to + 150 °C		

Electrical Characteristics

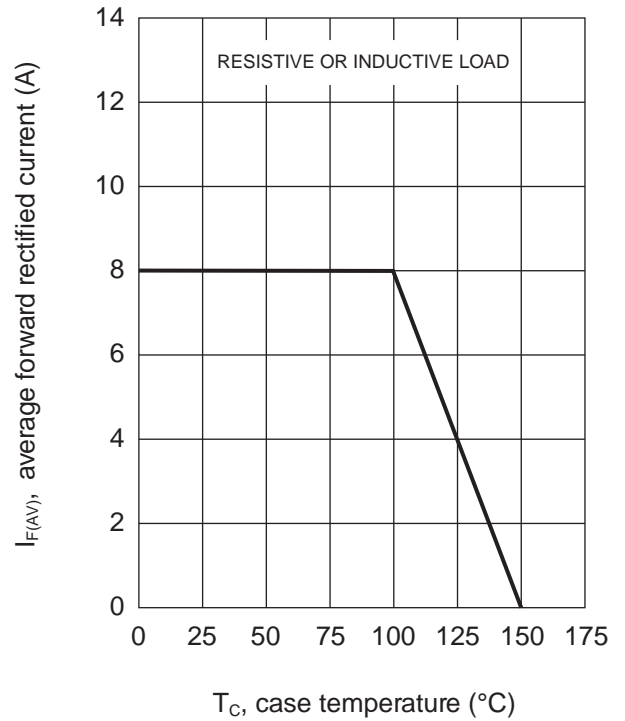
			SFAF804G	SFAF806G	SFAF808G
V_F	Max. forward voltage drop at $I_F = 8\text{ A}$	$T_j = 25\text{ }^\circ\text{C}$	0.975 V	1.3 V	1.7 V
I_R	Max. Instantaneous reverse current at $V_R = V_{RRMax}$	$T_j = 25\text{ }^\circ\text{C}$	10 μA		
		$T_j = 100\text{ }^\circ\text{C}$	400 μA		
R_{thj-C}	Typical Thermal Resistance		4.0 °C/W		

8 Amp. Glass Passivated Ultrafast Recovery Rectifier

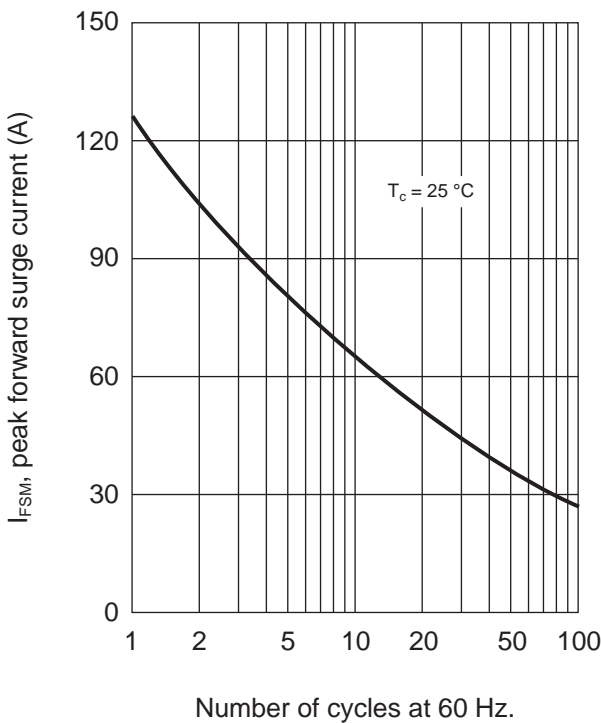
TYPICAL FORWARD CHARACTERISTIC



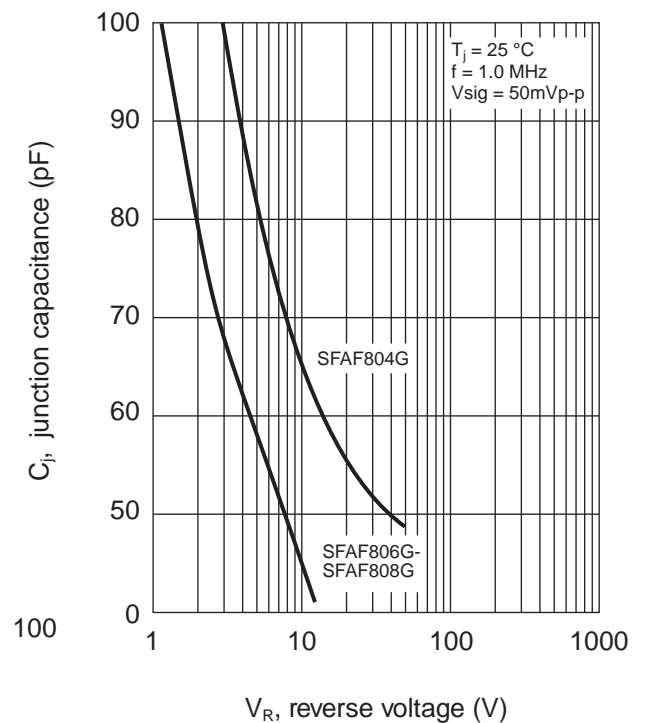
FORWARD CURRENT DERATING CURVE



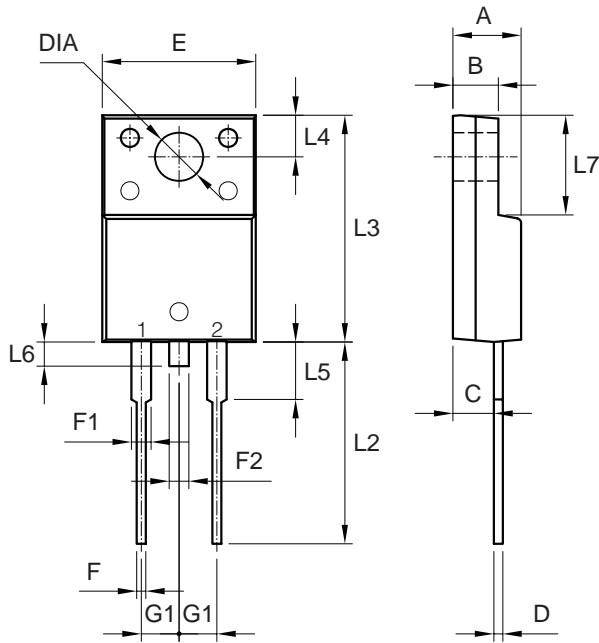
MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE



PACKAGE MECHANICAL DATA ITO-220AC



	DIMENSIONS		
	Milimeters		
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