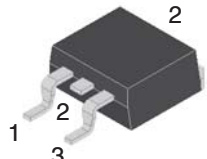
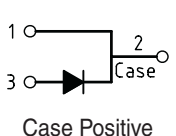


8 Amp. Glass Passivated Ultrafast Recovery Rectifier

<p>D²PAK</p>   <p style="text-align: center;">Case Positive</p>	<p>Voltage 200 to 600 V</p>	<p>Current 8 A</p>
<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

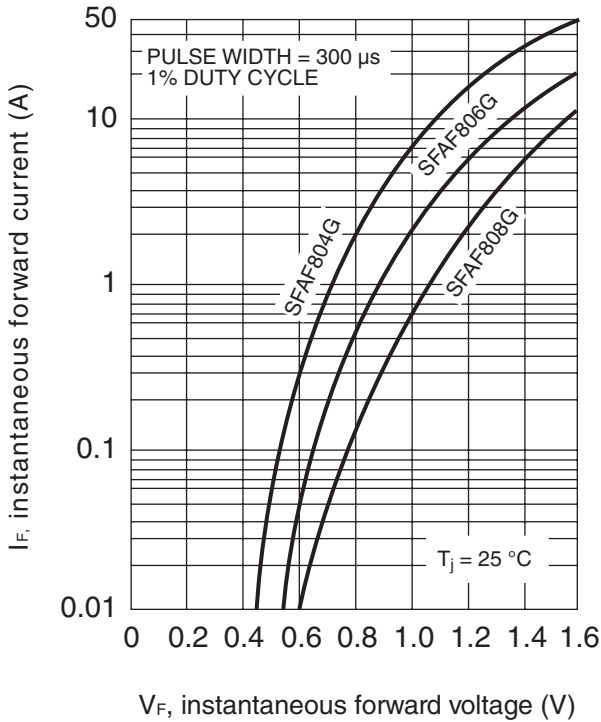
		SFAS804G	SFAS806G	SFAS808G
V_{RRM}	Peak recurrent reverse voltage (V)	200	400	600
V_{RMS}	Maximum RMS voltage (V)	140	280	420
V_{DC}	Maximum DC blocking voltage (V)	200	400	600
$I_{F(AV)}$	Maximum average Forward current at $T_C = 100\text{ }^\circ\text{C}$	8 A		
I_{FSM}	8.3 ms. peak forward surge current (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 $4V_{DC}$	80 pF	60 pF	
T_j	Operating temperature range	- 65 to + 150 °C		
T_{stg}	Storage temperature range	- 65 to + 150 °C		

Electrical Characteristics

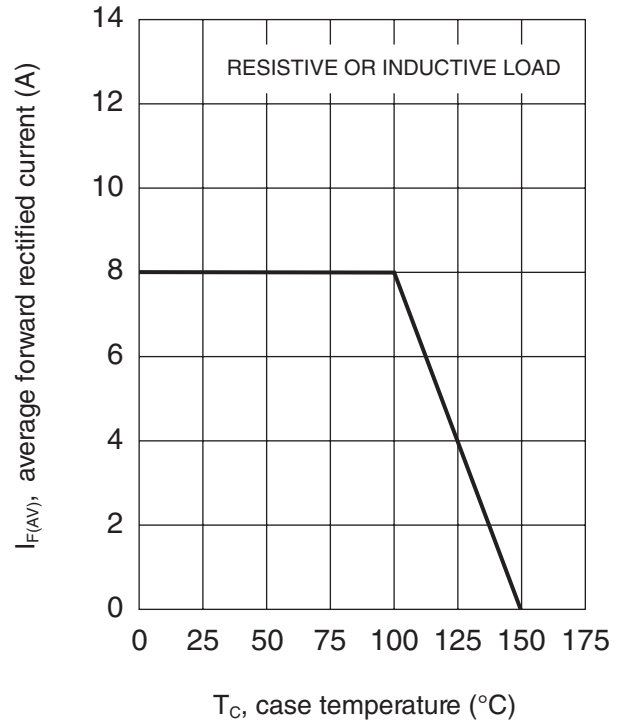
		SFAS804G	SFAS806G	SFAS808G
V_F	Max. forward voltage drop at $I_F = 8\text{ A}$ $T_j = 25\text{ }^\circ\text{C}$	0.975 V	1.3 V	1.7 V
I_R	Max. Instantaneous reverse current at $V_R = V_{RRMax}$ $T_j = 25\text{ }^\circ\text{C}$ $T_j = 100\text{ }^\circ\text{C}$	10 μA		
		400 μA		
R_{thj-C}	Typical Thermal Resistance	2.2 °C/W		

8 Amp. Glass Passivated Ultrafast Recovery Rectifier

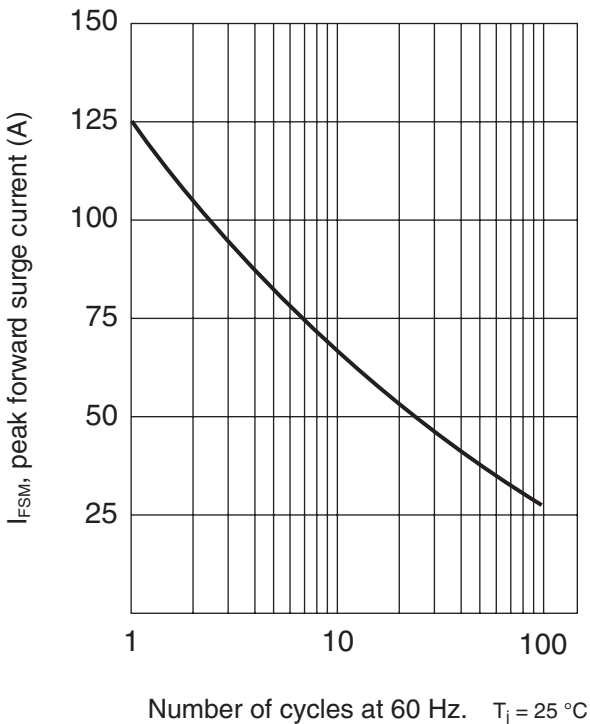
TYPICAL FORWARD CHARACTERISTIC



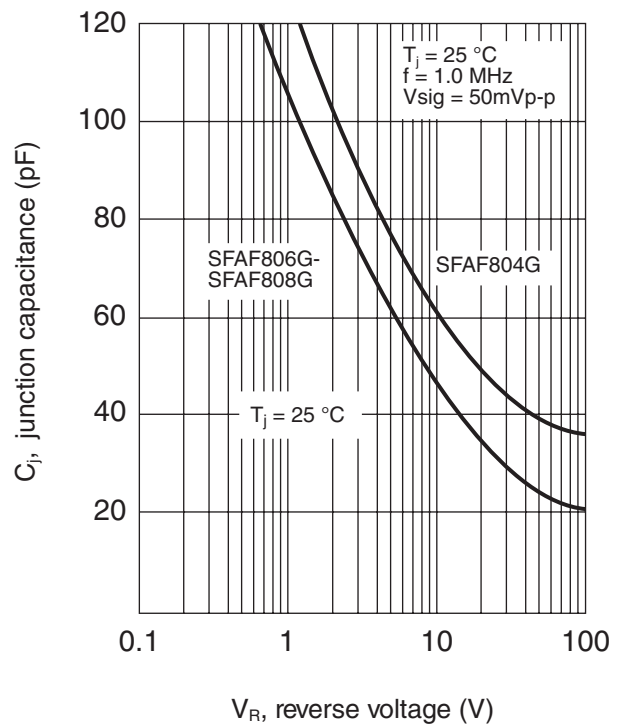
FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



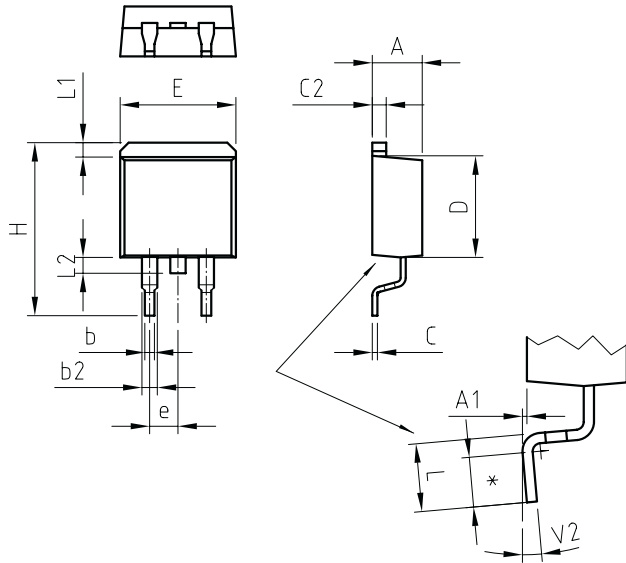
TYPICAL JUNCTION CAPACITANCE



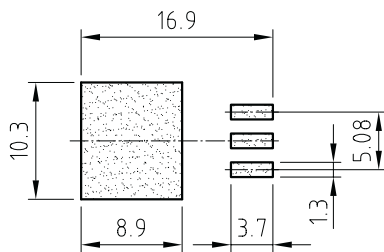
8 Amp. Glass Passivated Ultrafast Recovery Rectifier

PACKAGE MECHANICAL DATA

D²PAK



* FLAT ZONE NO LESS THAN 2mm



REF.	DIMENSIONS	
	Milimeters	
	Min.	Max.
A	4.01	4.82
A1	-	0.25
b	0.51	0.99
b2	1.14	1.77
C	0.38	0.73
C2	1.14	1.65
D	8.38	9.65
E	9.65	10.66
e	2.41	2.67
H	14.60	15.87
L	1.78	2.79
L1	-	1.67
L2	-	1.77
V2	0°	8°