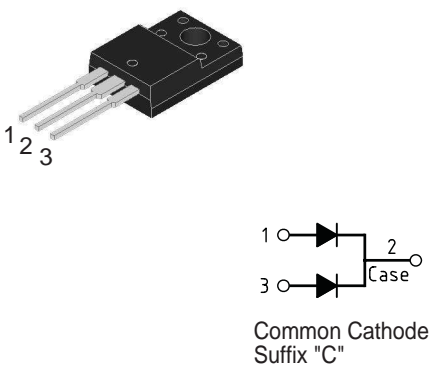


16 Amp. Glass Passivated Ultrafast Recovery Rectifier

ITO-220AB 	Voltage 200 to 600 V	Current 16 A
	<ul style="list-style-type: none"> • 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 	

Absolute Maximum Ratings, according to IEC publication No. 134

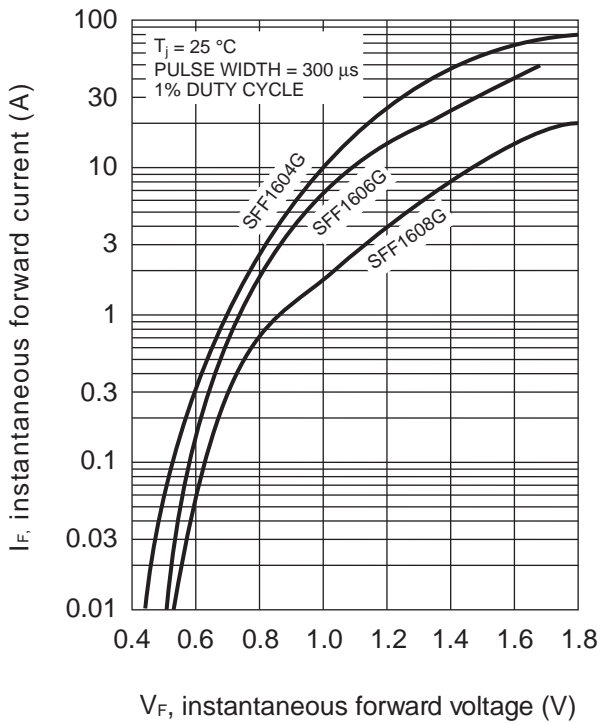
		SFF1604G	SFF1606G	SFF1608G
V_{RRM}	Peak recurrent reverse voltage (V)	200	400	600
V_{RMS}	Maximum RMS voltage (V)	140	280	420
V_{DC}	Maximum DC blocking voltage (V)	200	400	600
$I_{F(AV)}$	Maximum average Forward current. at $T_C = 105\text{ °C}$ (both diodes conducting)	16 A		
I_{FSM}	8.3 ms. peak forward 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

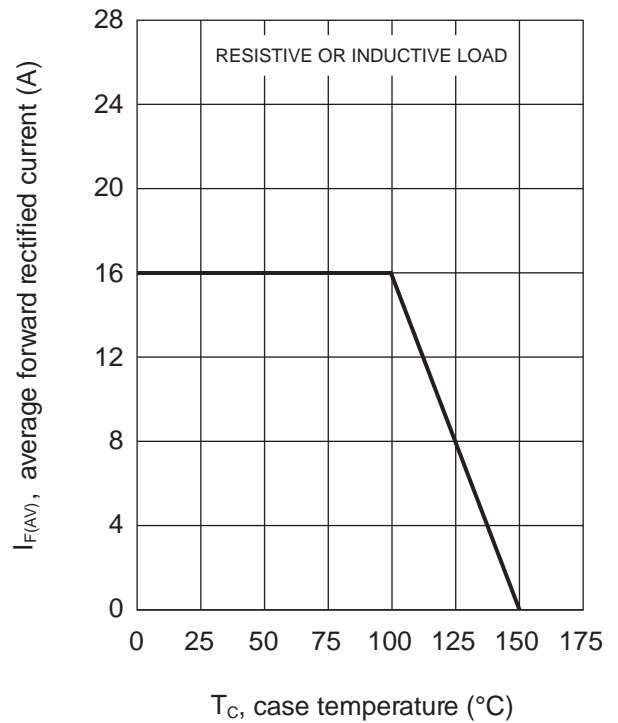
		SFF1604G	SFF1606G	SFF1608G
V_F	Max. forward voltage drop at $I_F = 8\text{ A}$ $T_j = 25\text{ °C}$	0.975 V	1.3 V	1.7 V
I_R	Max. Instantaneous reverse current at $V_R = V_{RRMax}$ $T_j = 25\text{ °C}$	10 μ A		
	$T_j = 100\text{ °C}$	400 μ A		
R_{thj-c}	Typical Thermal Resistance	1.5 °C/W		

16 Amp. Glass Passivated Ultrafast Recovery Rectifier

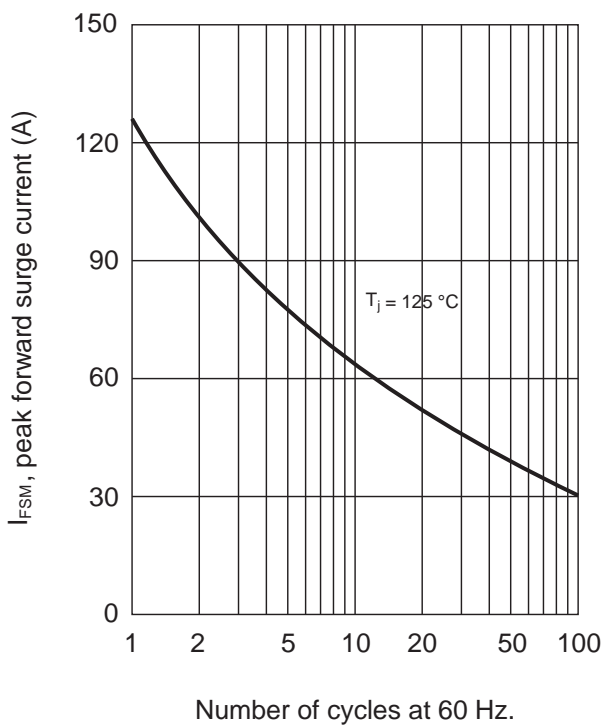
TYPICAL FORWARD CHARACTERISTIC



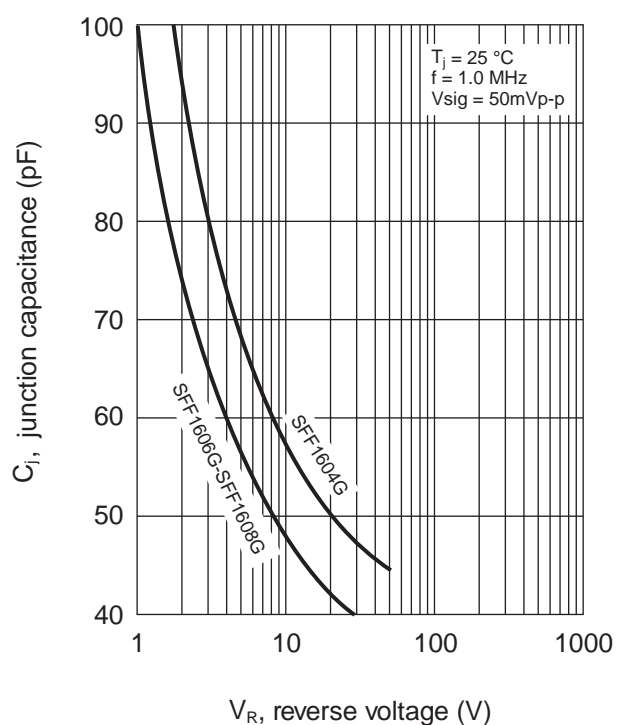
FORWARD CURRENT DERATING CURVE



MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT



TYPICAL JUNCTION CAPACITANCE



16 Amp. Glass Passivated Ultrafast Recovery Rectifier

