- riigh surge current capability
- Low power loss
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition

MECHANICAL DATA

Case: A-405

Molding compound, UL flammability classification rating 94V-0 Base P/N with suffix "G" on packing code - halogen-free **Terminal:** Matte tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 1A whisker test **Weight:** 0.2g (approximately)



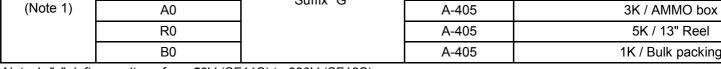


MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted)									
SYMBOL	SF 11S	SF 12S	SF 135	SF 14S	SF 15S	SF 16S			
V _{RRM}	50	100	150	200	300	400	T		
V _{RMS}	35	70	105	140	210	280	Γ		
V _{DC}	50	100	150	200	300	400			
I _{F(AV)}	1								
IFSM	30								
V	0.95 1.3				.3				
I _R	5 100								
Trr	35								
Cj	30 15			15					
R _{θJA}	100								
TJ	- 55 to +125								
T _{STG}	- 55 to +150								
	SYMBOL V _{RRM} V _{DC} I _{F(AV)} I _{FSM} V _F I _R Trr Cj R _{0JA} T _J	SYMBOL SF 11S V _{RRM} 50 V _{RMS} 35 V _{DC} 50 I _{F(AV)} 50 I _{F(AV)} 50 I _{FSM} 50 V _{PC} 50 I _{FSM} 50 V _{PC} 50 I _{FSM} 50 V _F 1 I _R 1 Trr C Cj R T _J 1	SYMBOL SF 11S SF 12S V _{RRM} 50 100 V _{RMS} 35 70 V _{DC} 50 100 I _{F(AV)} 50 100 I _{FSM} - - V _F 0. - I _R - - Trr - - Cj 3 - R _{θJA} - -	SYMBOL SF 11S SF 12S SF 13S V _{RRM} 50 100 150 V _{RMS} 35 70 105 V _{DC} 50 100 150 V _{DC} 50 100 150 I _{F(AV)}	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		

Note 1: Pulse test with PW=300µs, 1% duty cycle

Note 2: Reverse Recovery Test Conditions: I_F =0.5A, I_R =1.0A, I_{RR} =0.25A

Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

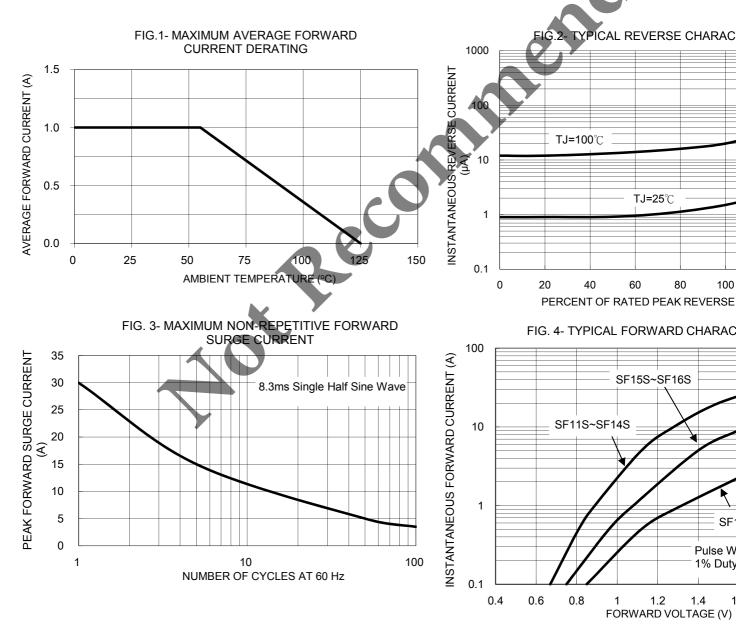


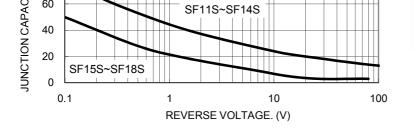
Note 1: "x" defines voltage from 50V (SF11S) to 600V (SF18S)

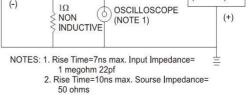
EXAMPLE				
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIPT
SF16S A0	SF16S	A0		
SF16S A0G	SF16S	A0	G	Green comp

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

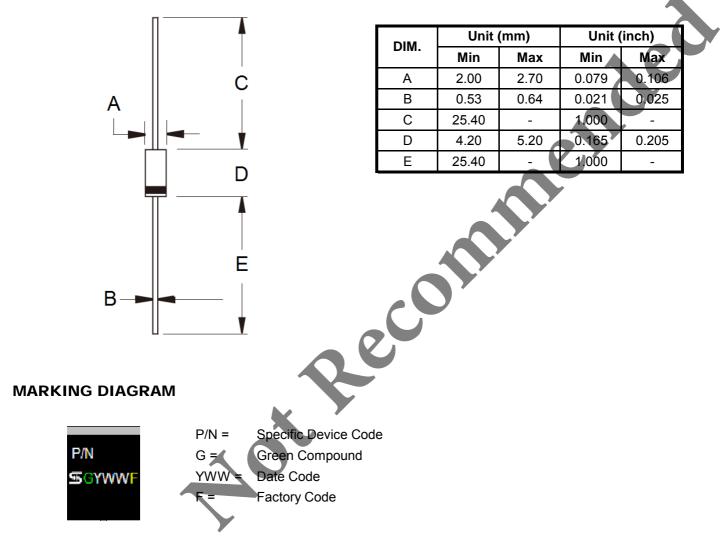


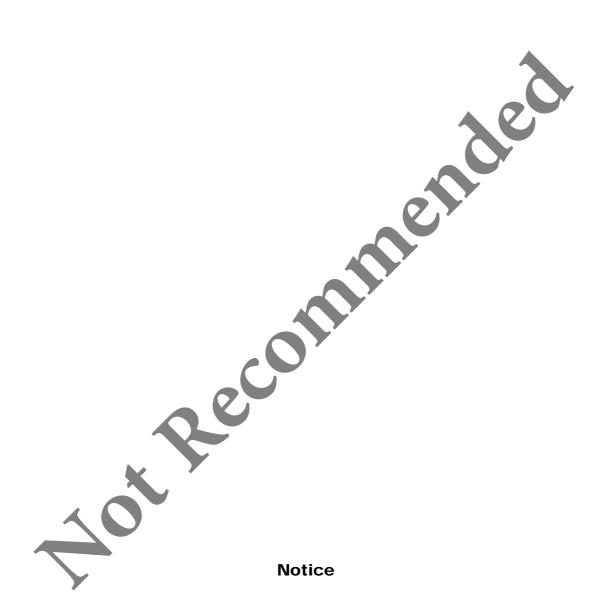




-1.0A

PACKAGE OUTLINE DIMENSIONS





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