



### Super Fast Rectifier

#### **Features**

- Low power loss
- Super-fast recovery time for high efficiency
- Glass passivated chip junction
- Low leakage current
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s, per JESD 22-B106
- AEC-Q101 qualified available
- Automotive product No.: base P/N-H

### **Typical Application**

For use in high frequency rectification and freewheeling application in switching mode converters and inverters for consumer ,computer and telecommunication.



- Package: DO-204AC(DO-15)
   Molding compound meets UL 94 V-0 flammability rating,RoHS-compliant
- Terminals:Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Color band denotes cathode end





■ Maximum Ratings (Ta=25°C Unless otherwise specified)

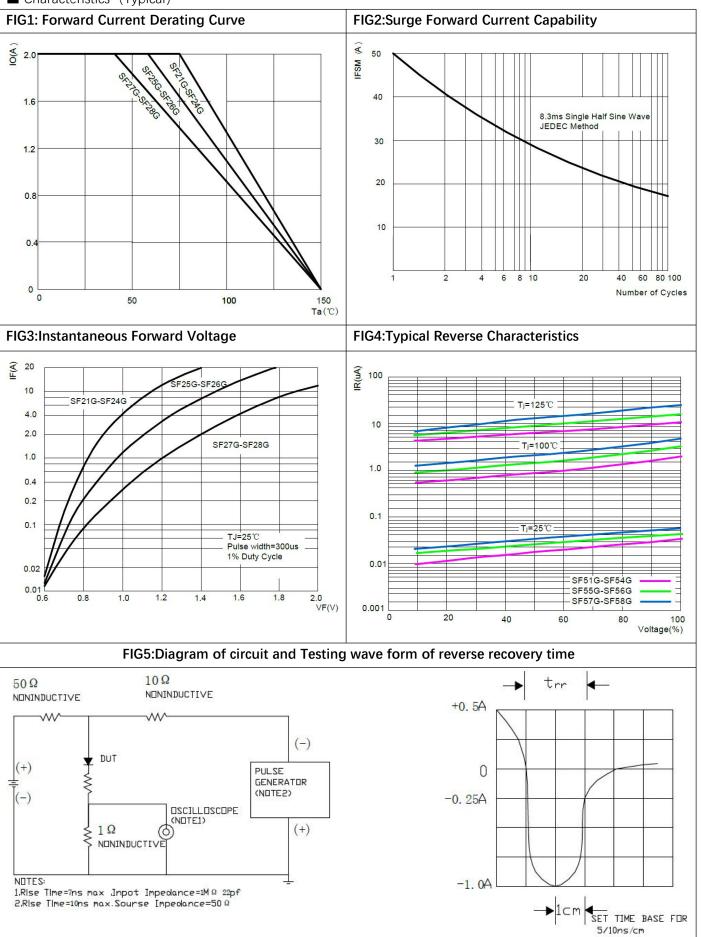
DADAMETED	Cymphal	l lmi4	Conditions	SF2							
PARAMETER	Symbol	Unit	Conditions	1G	2G	3G	4G	5G	6G	7G	8G
Repetitive Peak Reverse Voltage	VRRM	٧		50 100 150 200 300 400 5				500	600		
Average Forward Current	<b>I</b> F(AV)	Α		2.0					•		
Surge(Nonrepetitive)Forward	IFSM	Α	60HZ sine wave, 1 cycle,	50							
Current	IFSIVI	ζ.	Ta=25℃	50							
Storage Temperature	Tstg	°C		-55 ~ <b>+</b> 150							
Junction Temperature	Tj	°C		-55 ~ +150							

### Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	Symbol	Unit	Conditio	no	SF2							
PARAIVIETER	Syllibol	Ullit	Conditio	1115	1G	2G	3G	4G	5G	6G	7G	8G
Peak Forward Voltage	VFM	V	I <sub>FM</sub> =2.0	0.95				1.3		1.7		
Peak Reverse Current	IRRM1		V <sub>RM</sub> =V <sub>RRM</sub>	Ta=25℃	5 150		5					
reak Reverse Current	IRRM2	μA	V RM— V RRM	Ta=125℃			50	)				
Maximum reverse recovery time	Trr	ns	I <sub>F</sub> =0.5A,I <sub>R</sub> =1.0A,I <sub>r</sub>	r=0.25A	35							
Thermal Resistance(Typical)	<b>R</b> өJ-A	°C/W	Between junction ar	nd ambient	40							
Typical junction capacitance	Cj	рF	Measured at 1MHZ Reverse Voltage of	• • •	50 30							

# SF21G THRU SF28G

#### ■ Characteristics (Typical)



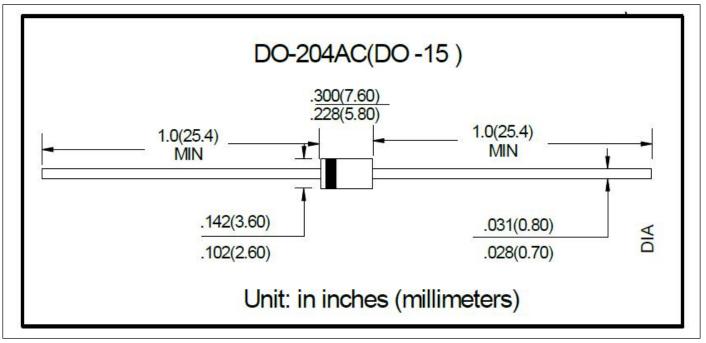


# SF21G THRU SF28G

### ■ Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE		
SF21G~SF28G	DO-204AC(DO-15)	3000	3000	30000	Таре		

### ■ Outline Dimensions



## SF21G THRU SF28G



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