SF11G THRU SF18G



Super Fast Rectifier

Features

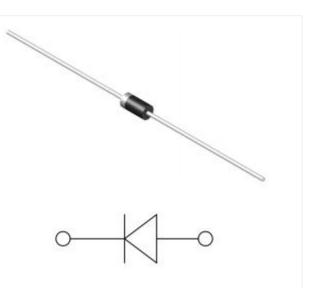
- Low power loss
- Super-fast recovery time for high efficiency
- Glass passivated chip junction
- Low leakage current
- High forward surge capability
- Solder dip maximum peak of 275 °C /7s, per JESD 22-B106



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



- Package: DO-204AL(DO-41)
 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)

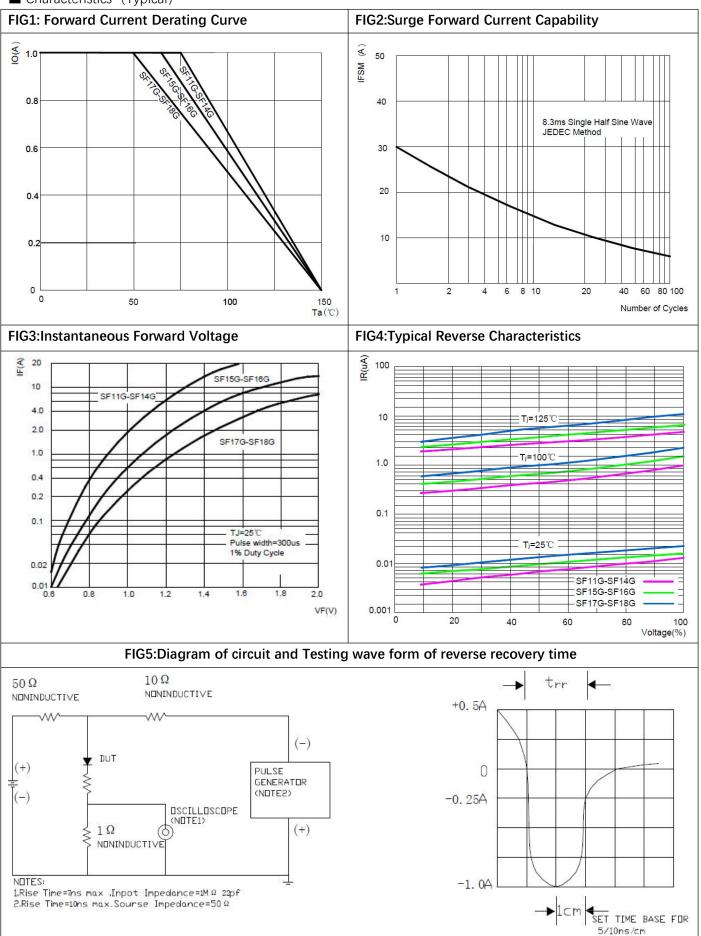
DADAMETED	Cymphol	l lmi4	Conditions	SF1							
PARAMETER	Symbol	Unit	Conditions	1G	2G	3G	4G	5G	6G	7G	8G
Repetitive Peak Reverse Voltage	VRRM	٧		50 100 150 200 300 400 50				500	600		
Average Forward Current	I F(AV)	Α		1.0							
Surge(Nonrepetitive)Forward Current	IFSM	Α	60HZ sine wave, 1 cycle,	30							
Carrent			Ta=25℃								
Storage Temperature	Tstg	°C		-55 ~ +150							
Junction Temperature	Tj	°C		-55 ~ +150							

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

PARAMETER	Symbol	Unit	Conditio	no	SF1				1			
PARAIVIETER	Syllibol	Ullit	Conditio	115	1G	2G	3G	4G	5G	6G	7G	8G
Peak Forward Voltage	VFM	V	IFM =1.0A		0.95			1.3		1.7		
Peak Reverse Current	IRRM1		V _{RM} =V _{RRM}	Ta=25℃	5 150							
reak Reverse Current	IRRM2	μA	V RM— V RRM	Ta=125℃			50)				
Maximum reverse recovery time	Trr	ns	I _F =0.5A,I _R =1.0A,I _r	r=0.25A	35							
Thermal Resistance(Typical)	R өJ-A	°C/W	Between junction ar	nd ambient	60							
Typical junction capacitance	Cj	pF	Measured at 1MHZ Reverse Voltage of		40 25							



Characteristics (Typical)



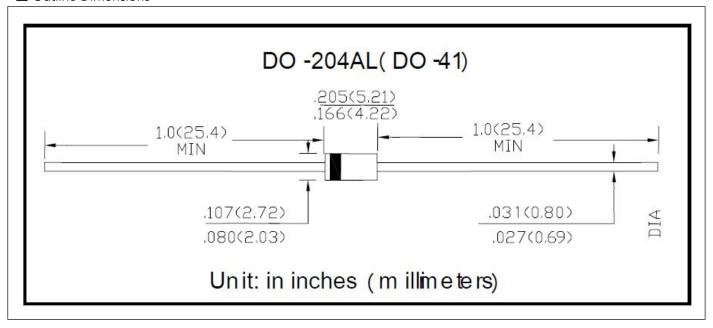


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■ Ordering Information (Example)

PREFERED	PACKAGE CODE		INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE		
SF11G~SF18G	DO-214AL(DO-41)	5000	5000	50000	Таре		

■ Outline Dimensions



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