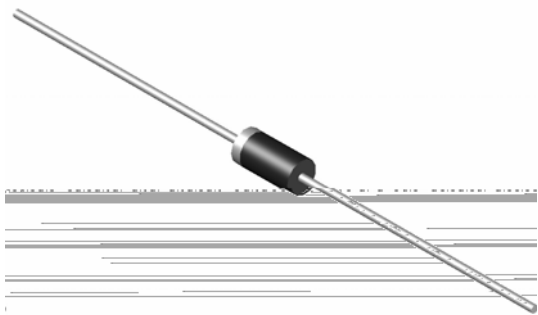


Mechanical Data

- **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 the cathode end

■Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	SF21G	SF22G	SF23G	SF24G	SF25G	SF26G	SF27G	SF28G
Device marking code			SF21G	SF22G	SF23G	SF24G	SF25G	SF26G	SF27G	SF28G
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	V	50	100	150	200	300	400	500	600
Maximum RMS Voltage	V _{RMS}	V	35	70	105	140	210	280	350	420
Maximum DC blocking Voltage	V _{DC}	V	50	100	150	200	300	400	500	600
Average Forward Current @60Hz sine wave, Resistance load, Ta =50	I _{F(AV)}	A	2.0							
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave,1 cycle, Tj=25	I _{FSM}	A	50							
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			100							
Current squared time @1ms≤t8.3≤ms Tj=25 Rating of per diode	I²t	A²s	10.375							
Typical junction capacitance @Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	Cj	pF	32				18		13	
Storage Temperature	T _{stg}		-55 ~ +150							
Junction Temperature	T _j		-55 ~ +150							

■Electrical Characteristics Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	SF21G	SF22G	SF23G	SF24G	SF25G	SF26G	SF27G	SF28G
Maximum instantaneous forward voltage drop per diode	V _F	V	I _{FM} =2.0A	0.95				1.3		1.7	
Maximum DC reverse current at rated DC blocking voltage per diode	I _R	=25		2.5							
			T _j =125	100							
Maximum reverse recovery time	t _{rr}	ns	I _F =0.5A, I _R =1.0A, I _{rr} =0.25A	35							



■Thermal Characteristic

PARAMETER

Typical Thermal Resistance

0.02

Instantaneous
0.1
0.02

, 30-Jan-21

Yangze



■ Outline Dimensions



SF21G THRU SF28G

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