

SUPER FAST GLASS PASSIVATED RECTIFIERS

REVERSE VOLTAGE - 50 to 600 Volts FORWARD CURRENT - 1.0 Ampere

DO-41

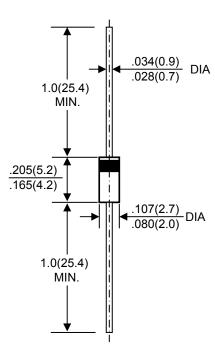
FEATURES

- Super fast switching time for high efficiency
- Low forward voltage drop and high current capability
- Low reverse leakage current
- Plastic material has UL flammability classification 94V-0

MECHANICAL DATA

Case: JEDEC DO-41 molded plastic
Polarity: Color band denotes cathode
Weight: 0.012 ounces, 0.34 grams

Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

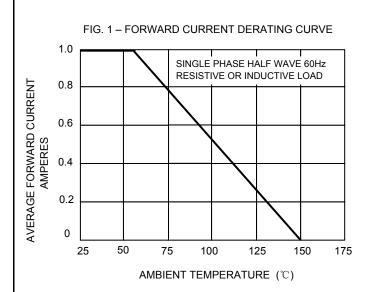
CHARACTERISTICS	SYMBOL	SF11G	SF12G	SF13G	SF14G	SF15G	SF16G	SF18G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	150	200	300	400	600	V
Maximum RMS Voltage	VRMS	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	VDC	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current @TA =55 ℃	I(AV)	1.0							Α
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	IFSM	30							А
Peak Forward Voltage at 1.0A DC	VF	0.95				1	.3	1.7	V
Maximum DC Reverse Current @TJ=25℃ at Rated DC Blocking Voltage @TJ=100℃	lR	5.0 100							μA
Maximum Reverse Recovery Time(Note 1)	Trr	35							nS
Typical Junction Capacitance (Note2)	Cı	30			25			pF	
Typical Thermal Resistance (Note3)	RθJA	40							°C/W
Operating Temperature Range	TJ	-55 to +150							$^{\circ}$
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$

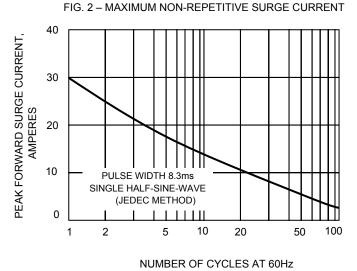
NOTES:1.Measured with IF=0.5A,IR=1A,IRR=0.25A.

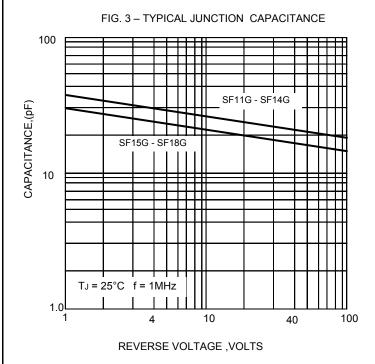
- 2.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.
- 3. Thermal resistance junction to ambient.
- 4.The typical data above is for reference only(典型值仅供参考).

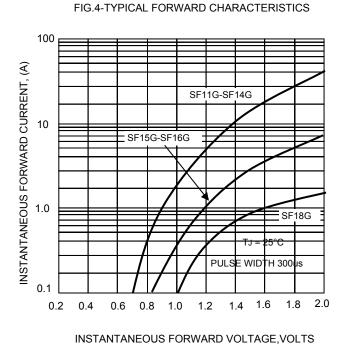
Rev. 7, 13-Mar-2017











The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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