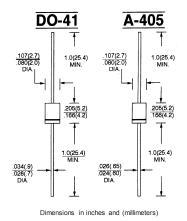


SF11G THRU SF19G

GLASS PASSIVATED SUPER FAST RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



FEATURES

- Low forward voltage drop
- Hight current capability
- High reliability
- High surge current capability

MECHANICAL DATA

Case: Molded plastic Epoxy: UL94V-0 rate flame retardant Lead: Axial leads, solderable per MIL-STD-202, method 208 guaranteed Polarity: Color band denotes cathode end Mounting Position: Any Weight:0.22grams(DO41:0.34grams)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, For capacitive load current derate by 20%.

	SYMBOLS	SF11G	SF12G	SF13G	SF14G	SF15G	SF16G	SF18G	SF19G	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	150	200	300	400	600	1000	VOLTS
Maximum RMS voltage	Vrms	35	70	105	140	210	280	420	400	VOLTS
Maximum DC blocking voltage	VDC	50	100	150	200	300	400	600	1000	VOLTS
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=55 C	l(AV)	1.0							Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC	IFSM	30.0								Amps
Maximum instantaneous forward voltage at 1.0A	Vf	0.95			1.	1.3 1		.7	Volts	
Maximum DC reverse current Ta=25 C at rated DC blocking voltage Ta=100 C	lr	5.0 100							μΑ	
Maximum reverse recovery time (NOTE 1)	trr	35								ns
Typical junction capacitance (NOTE 2)	Сл	40 25					pF			
Operating junction and storage temperature range	Тј,Тѕтс	-65 to +150							°C	

Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A

2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

RATINGS AND CHARACTERISTIC CURVES SF11G THRU SF16G

