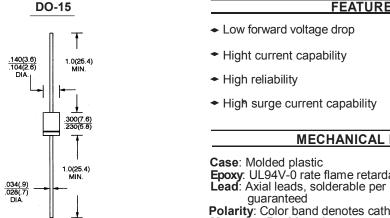


# SF21G THRU SF28G

## GLASS PASSIVATED SUPER FAST RECTIFIER

Reverse Voltage - 50 to 600 Volts Forward Current - 2.0 Ampere



Dimensions in inches and (millimeters)

#### 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%.

TYPE NUMBER	SYMBOLS	SF21G	SF22G	SF23G	SF24G	SF25G	SF26G	SF28G	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	150	200	300	400	600	Volts
Maximum RMS voltage	Vrms	35	70	105	140	210	280	420	Volts
Maximum DC blocking voltage	Vdc	50	100	150	200	300	400	600	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length at Ta=55 °C	l(AV)	2.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC	Ifsm	50							Amps
Maximum instantaneous forward voltage at 2.0A	Vf	0.95				1.3		1.7	Volts
Maximum DC reverse currentTa=25° Cat rated DC blocking voltageTa=100°C	lr	5.0 50							μΑ
Maximum reverse recovery time (NOTE 1)	trr	35							n
Typical junction capacitance (NOTE 2)	Сл	60 30					р		
Operating junction and storage temperature range	TJ,TSTG	-65 to +150							°C

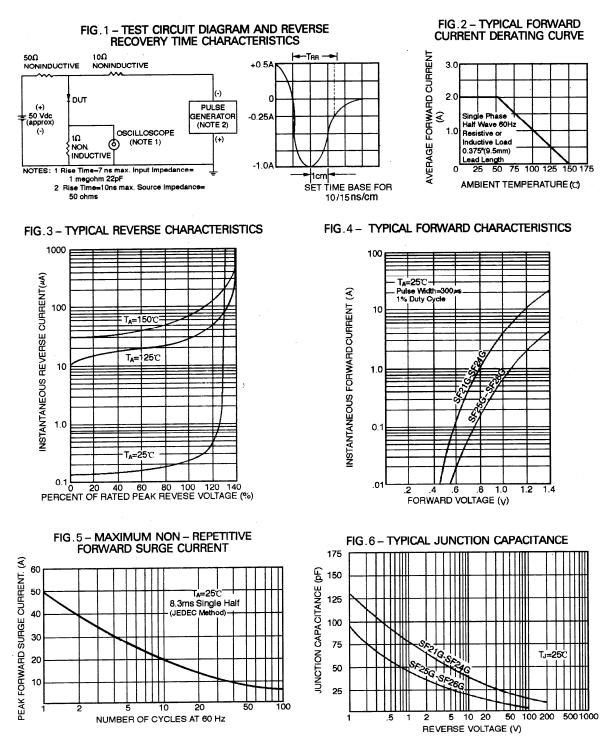
Note: 1. Reverse recovery condition IF=0.5A, IR=1.0A, Irr=0.25A

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

#### **MECHANICAL DATA**

Epoxy: UL94V-0 rate flame retardant Lead: Axial leads, solderable per MIL-STD-202, method 208 Polarity: Color band denotes cathode end Mounting Position: Any Weight: 0.40 grams

### **RATINGS AND CHARACTERISTIC CURVES SF21G THRU SF28G**



#### **GOOD ELECTRONIC CO., LTD**