

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

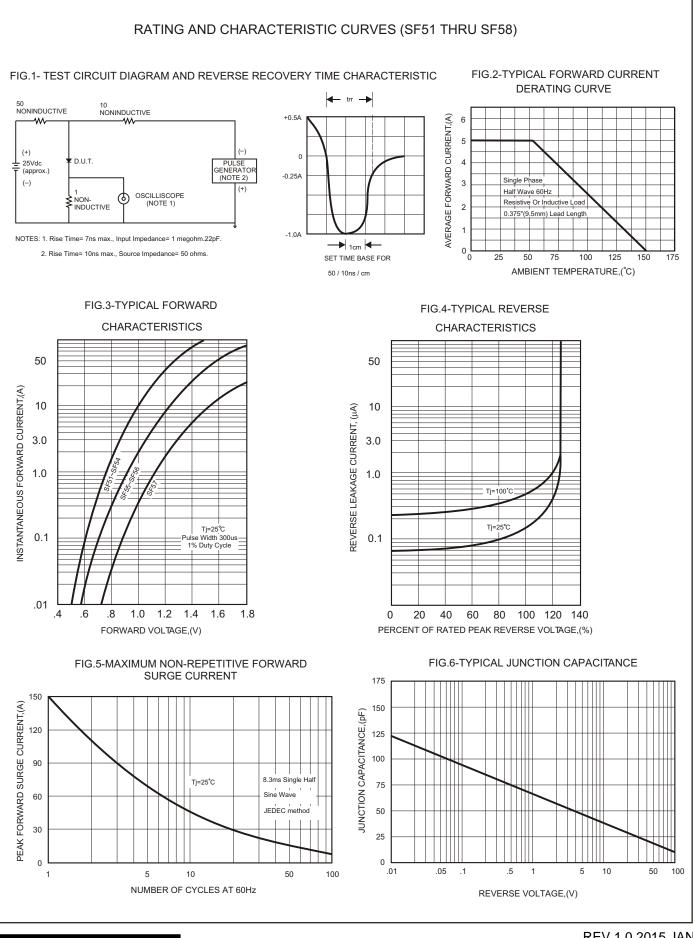
Rating 25°C ambient temperature uniess otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	SF51	SF52	SF53	SF54	SF55	SF56	SF58	UNITS
Maximum Recurrent Peak Reverse Voltage	50	100	150	200	300	400	600	V
Maximum RMS Voltage	35	70	105	140	210	280	420	V
Maximum DC Blocking Voltage	50	100	150	200	300	400	600	V
Maximum Average Forward Rectified Current								
.375"(9.5mm) Lead Length at Ta=55 [°] C	5.0							A
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	150						A	
Maximum Instantaneous Forward Voltage at 5.0A		0.95 1.30 1.70				V		
Maximum DC Reverse Current Ta=25°C	5.0						μA	
at Rated DC Blocking Voltage Ta=100°C	50							μA
Maximum Reverse Recovery Time (Note 1)	35							nS
Typical Junction Capacitance (Note 2)		50						pF
Operating and Storage Temperature Range TJ, Tstg		-65-+150						

NOTES:

1. Reverse Recovery Time test condition: IF=0.5A, IR=1.0A, IRR=0.25A

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



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