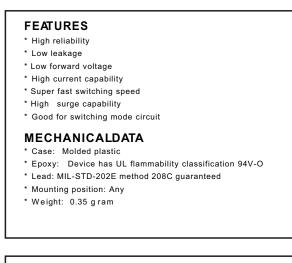
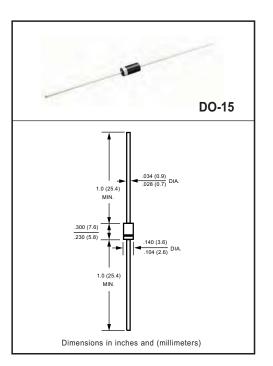




GLASS PASSIVATED SUPER FAST RECTIFIER

VOLTAGE RANGE 50 to 600 Volts CURRENT 2.0 Amperes





MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	SF21	SF22	SF23	SF24	SF25	SF26	SF27	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	150	200	300	400	600	Volts
Maximum RMS Voltage	V _{RMS}	35	70	105	140	210	280	420	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	150	200	300	400	600	Volts
Maximum Average Forward Rectified Current at $T_A = 55^{\circ}C$	lo	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)				75	75				
Current Squarad Time	l²t	23.3						A ² /Sec	
Typical Thermal Resistance (Note 3)	$R_{\theta JA}$	40							° CW
	$R_{\theta JL}$	15							
Typical Junction Capacitance (Note 2)	CJ	50 30						pF	
Operating and Storage Temperature Range	Tj, T _{STG}	-55 to + 150						٥C	

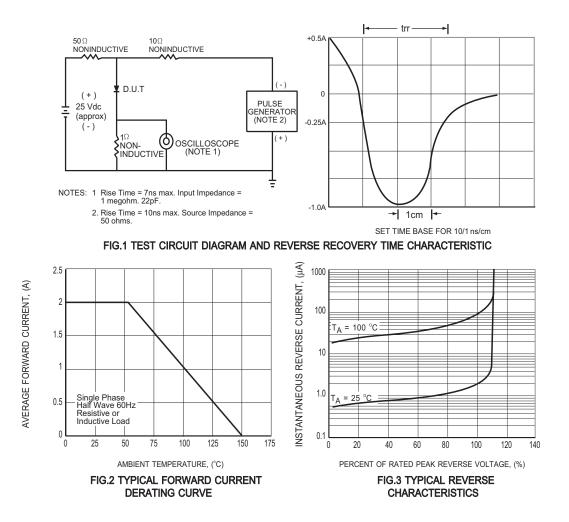
ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERIST	SYMBOL	SF21	SF22	SF23	SF24	SF25	SF26	SF27	UNITS		
Maximum Instantaneous Forward Vo	mum Instantaneous Forward Voltage at 2.0A DC			0.95				1.25 1		Volts	
Maximum DC Reverse Current	@T _A = 25°C	la .	5.0								
at Rated DC Blocking Voltage	@T _A = 100°C	IR				100				uAmps	
Maximum Reverse Recovery Time	trr	35 50					50	nSec			

NOTES: 1. Test Conditions: I_F = 0.5A, I_R = -1.0A, I_{RR} = -0.25A
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
3. Typical Thermal Resistance: At 9.5mm lead lengths,PCB mounted.
4. "Fully ROHS complaint", "100% Sn plating (Pb-free)"

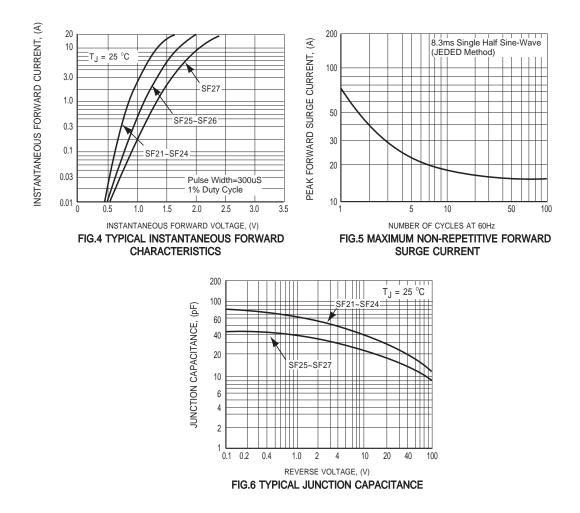
2009-09 REV:A

RATING AND CHARACTERISTICS CURVES (SF21 THRU SF27)







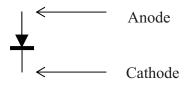




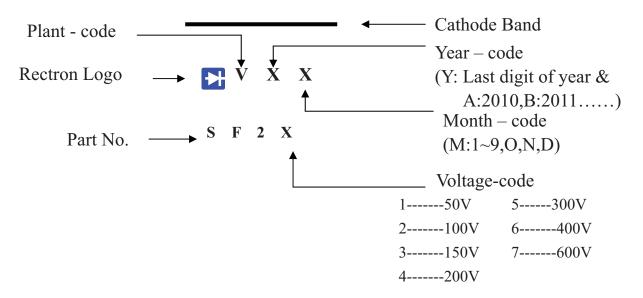


Attachment information about SF2X

1. Internal Circuit



2. Marking on the body





Attachment information about SF2X

4. Items marked on the reel box and carton

4.1 On the reel (for –T) **CUSTOMER** TYPE QUANTITY LOT NO. **Q.A.** REMARK **4.2** On the box (for –E & -F) TYPE QUANTITY LOT NO. **Q.A.** 4.3 On the carton **CUSTOMER** TYPE **QUANTITY** LOT NO. REMARK

PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PACKA	GE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-1	5	-B	500	194*84*21	415*220*255	25,000	12.74

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
DO-15	-T	4,000	4,000	5.0	52	330	355*350*335	16,000	10.05

AMMO PACK

PACKAGE	PACKING	REEL	COMPONENT	TAPE SPACE	BOX SIZE	CARTON	CARTON	GROSS
	CODE	(EA)	SPACE(mm)	(mm)	(mm)	SIZE(mm)	(EA)	WEIGHT (Kg)
DO-15	-F	1,500	5.0	52	255*73*100	400*268*225	15,000	8.8



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