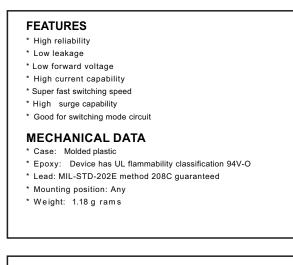
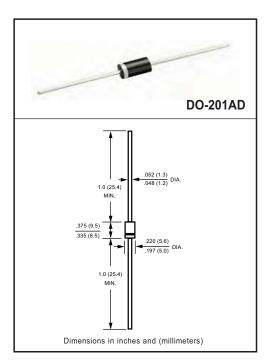




GLASS PASSIVATED SUPER FAST RECTIFIER

VOLTAGE RANGE 50 to 600 Volts CURRENT 3.0 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 SF31 SF32 SF33 SF35 SF36 SF37 UNITS SF34 Maximum Recurrent Peak Reverse Voltage 50 100 150 200 300 400 600 Volts VRRM Maximum RMS Voltage 35 70 420 V_{RMS} 105 140 210 280 Volts Maximum DC Blocking Voltage 50 V_{DC} 100 150 200 300 400 600 Volts Maximum Average Forward Rectified Current lo 3.0 Amps at T_A = 55°C Peak Forward Surge Current 8.3 ms single half sine-wave IFSM 125 Amps superimposed on rated load (JEDEC method) I^2t 64.8 A²/Sec Current Squarad Time Reja 20 Typical Thermal Resistance (Note 3) °CW $R_{\theta\,JL}$ 8.0 Typical Junction Capacitance (Note 2) C_{J} 50 30 рF Operating and Storage Temperature Range ⁰C TJ, TSTG -55 to + 150

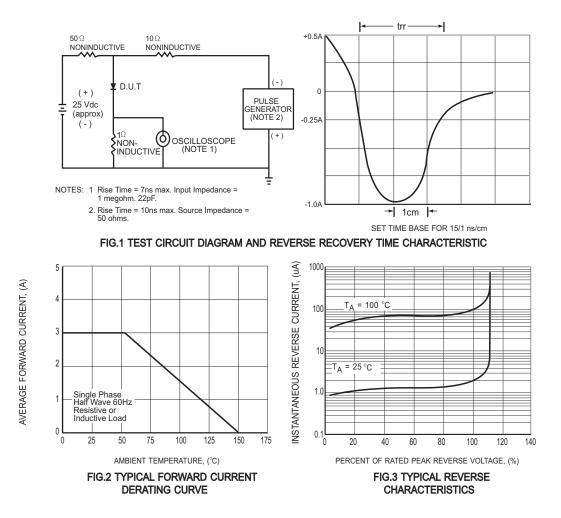
ELECTRICAL CHARACTERISTICS (@TA=25 °C unless otherwise noted)

CHARACTERIST	SYMBOL	SF31	SF32	SF33	SF34	SF35	SF36	SF37	UNITS	
Maximum Instantaneous Forward Vo	VF	0.95 1.25 1.50				1.50	Volts			
Maximum DC Reverse Current	@T _A = 25°C	- I _R -	5.0							
at Rated DC Blocking Voltage	@T _A = 100°C		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)"

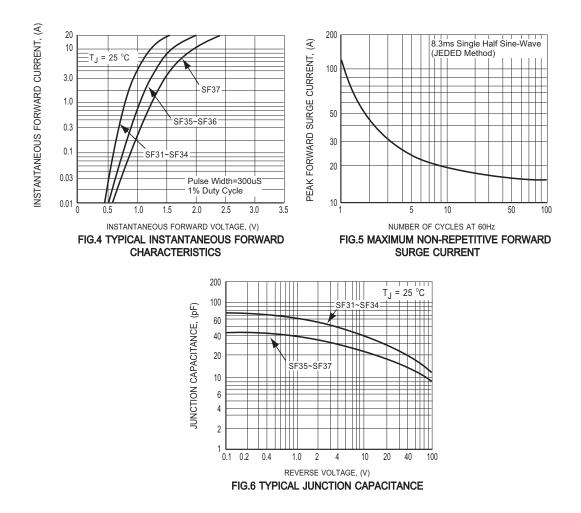
2013-04 REV:C

RATING AND CHARACTERISTICS CURVES (SF31 THRU SF37)



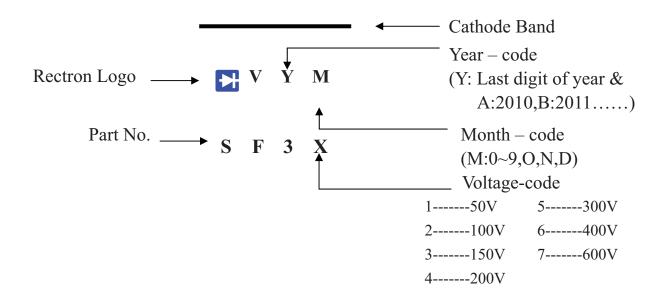


RATING AND CHARACTERISTICS CURVES (SF31 THRU SF37)





Marking Description



ERECTRON -

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-2	201	-B	500	300*73*40	347*320*271	12,000	15.9

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-201	-T	1,200	1,200	5.0	52	330	355*350*335	4,800	9.10

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-201	-F	600	9.5	52	255*73*100	400*268*225	6,000	9.9



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