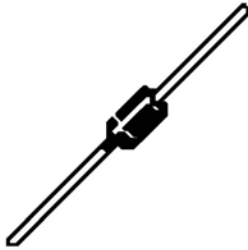


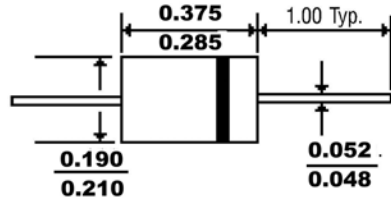
**Description**

SF31...36 Series



DO-201AD

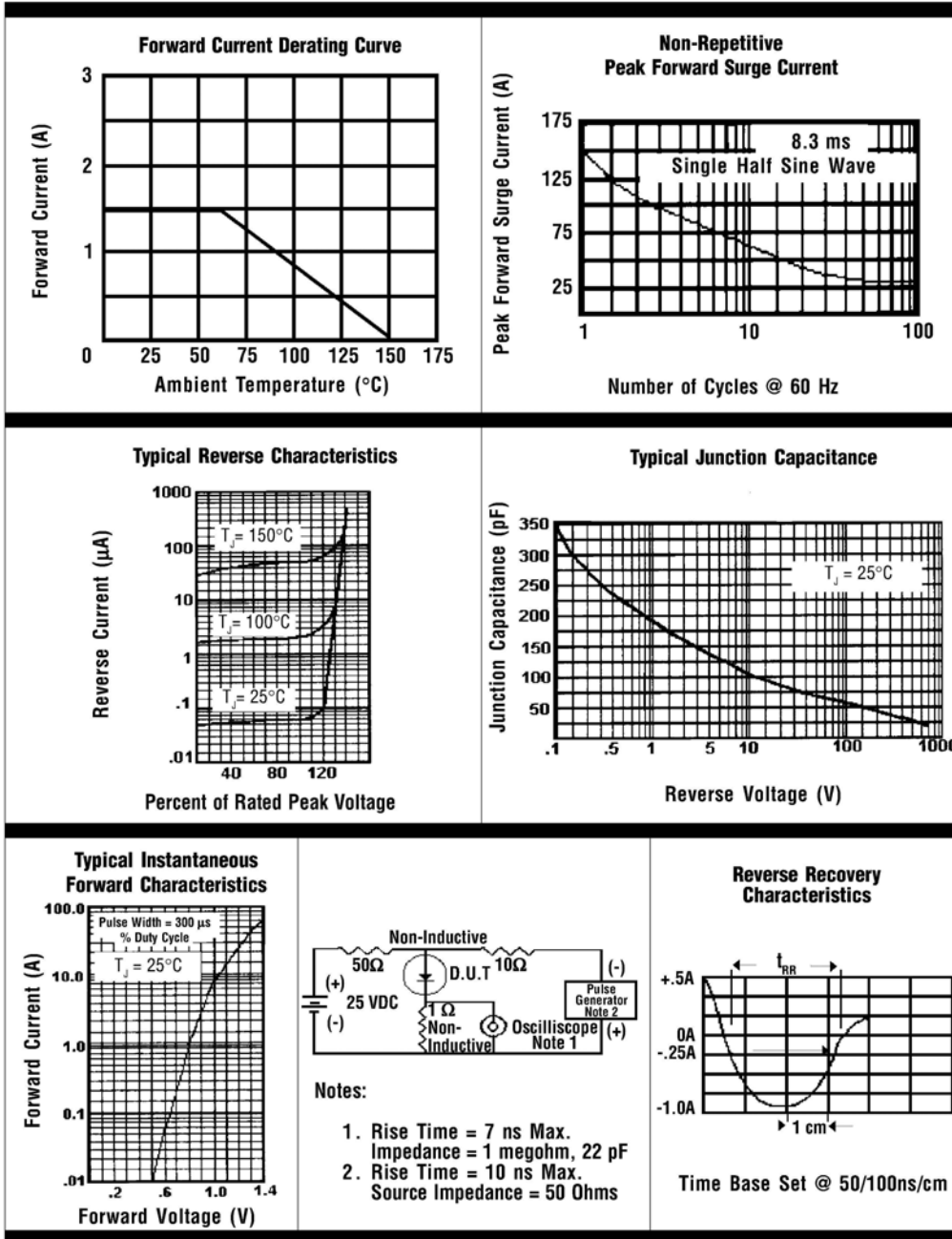
**Mechanical Dimensions**



**Features**

- **LOW COST**
- **LOW LEAKAGE**
- **HIGH SURGE CAPABILITY**
- **MEETS UL SPECIFICATION 94V-0**

SF31.....36 Series							Units
Maximum Ratings	SF31	SF32	SF33	SF34	SF35	SF36	
Peak Repetitive Reverse Voltage... $V_{RRM}$	50	100	200	300	400	600	Volts
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	210	280	420	Volts
DC Blocking Voltage... $V_{DC}$	50	100	200	300	400	600	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 55^\circ C$	3.0						Amps
Non-Repetitive Peak Forward Surge Current... $I_{FSM}$ @ Rated Current & Temp	< 75 >		< 50 >				Amps
Operating & Storage Temperature Range... $T_J, T_{STRG}$	-65 to 150						$^\circ C$
<b>Electrical Characteristics</b>							
Maximum Forward Voltage @ 3.0A... $V_F$	< 0.95 >		< 1.30 >		< 1.50 >		Volts
Maximum DC Reverse Current... $I_R$ @ Rated DC Blocking Voltage	5.0						$\mu A$
Typical Junction Capacitance... $C_j$ (Note 1)	100						pF
Maximum Reverse Recovery Time... $t_{RR}$ (Note 2)	< 35 >		< 50 >				ns



**NOTES:** 1. Measured @ 1 MHz and applied reverse voltage of 4.0V.  
2. Conditions:  $I_F = 0.5A$ ,  $I_R = 1.0A$ ,  $I_{RR} = 0.25A$ .