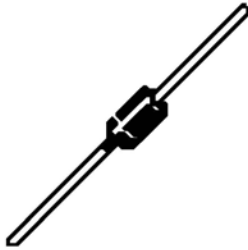


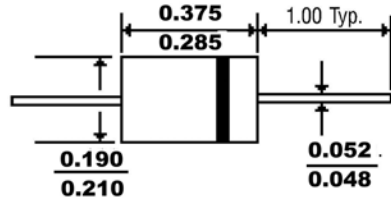
Description

Mechanical Dimensions

SF31...36 Series



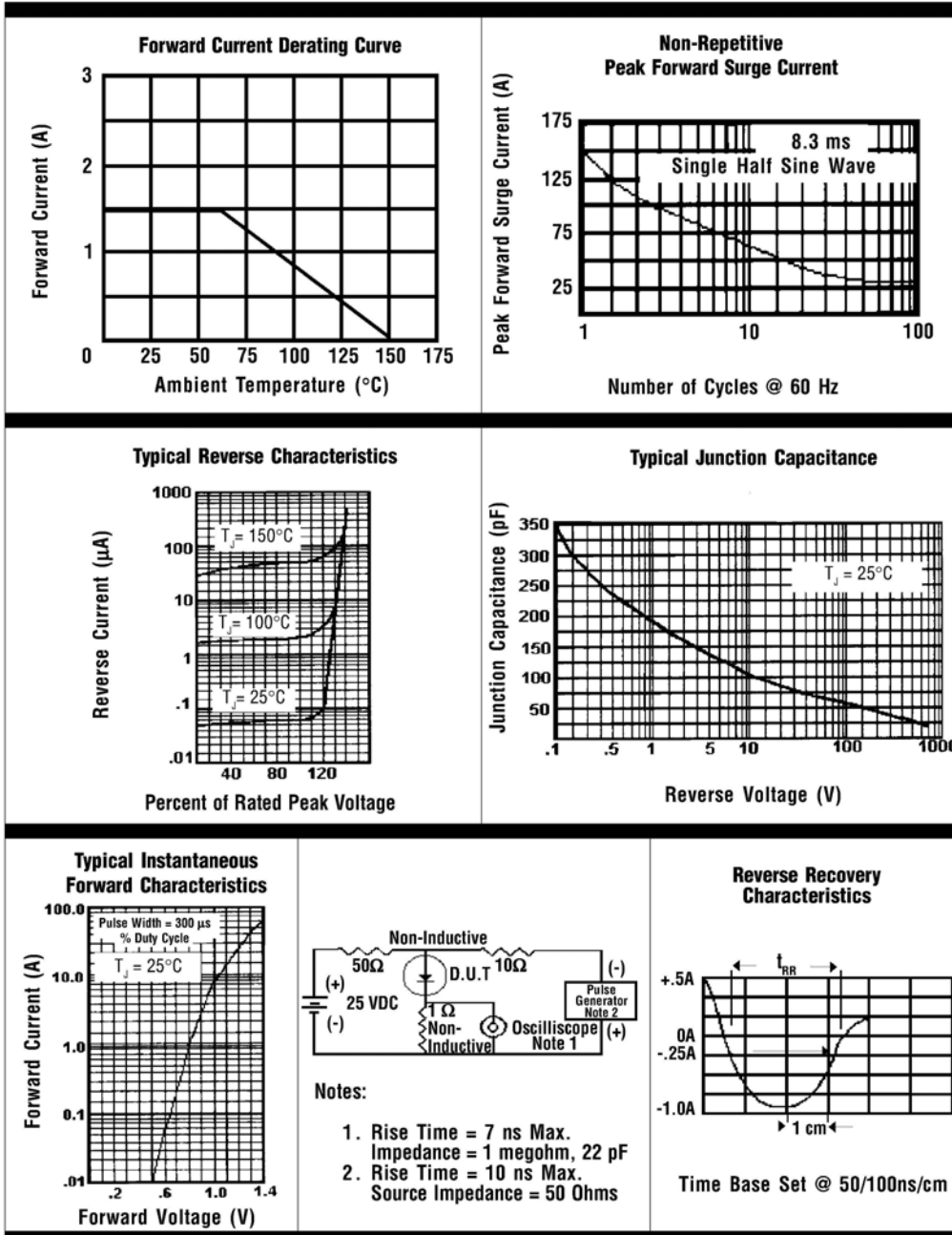
DO-201AD



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						$^\circ C$
Electrical Characteristics							
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						μA
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: $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.

Ratings at 25 Deg. C ambient temperature unless otherwise specified.

Single Phase Half Wave, 60 Hz Resistive or Inductive Load.

For Capacitive Load, Derate Current by 20%.