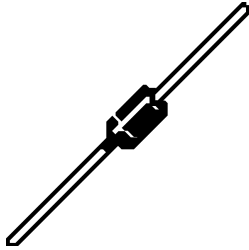
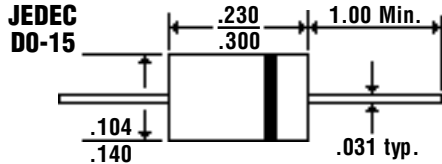


Description

SF21~26



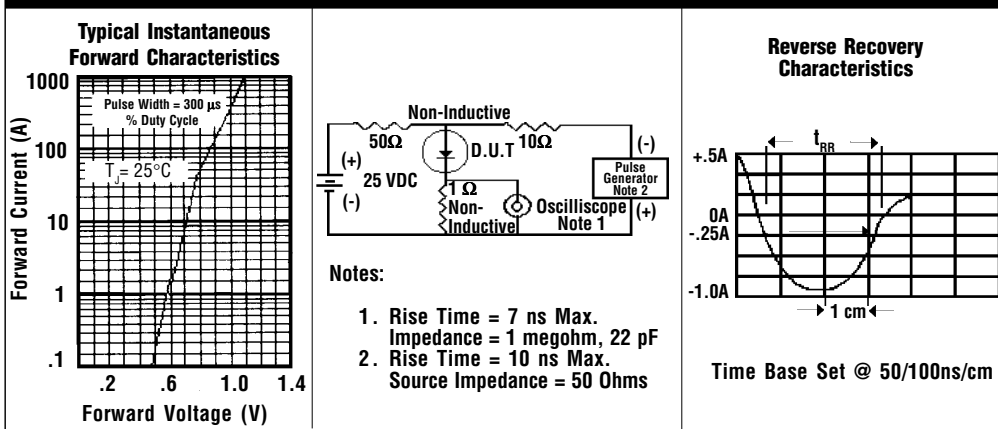
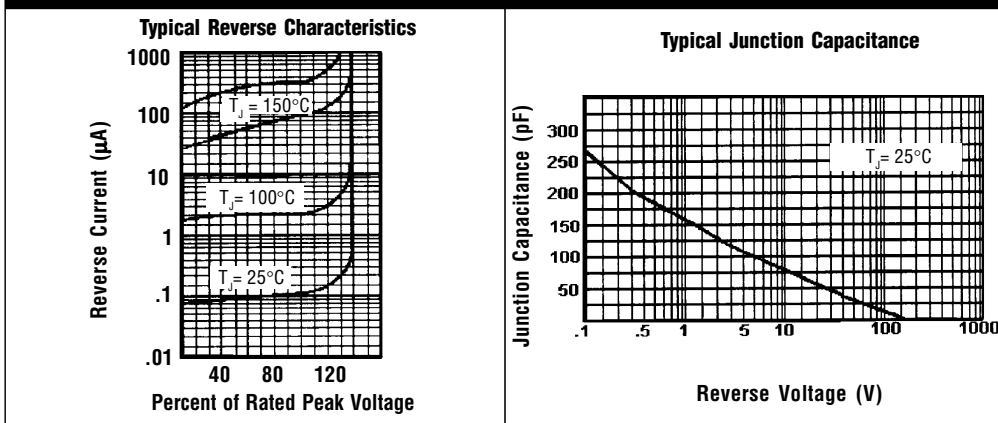
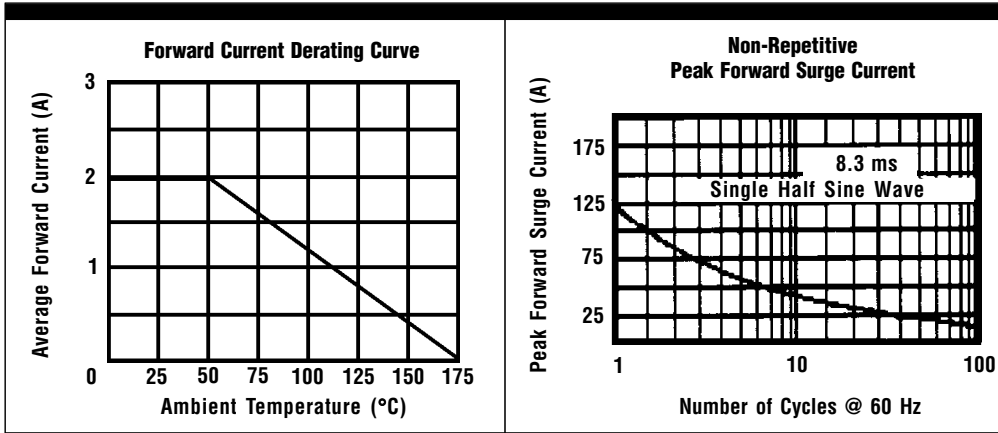
Mechanical Dimensions



Features

- HIGH SURGE CAPABILITY
- LOW FORWARD VOLTAGE DROP
- HIGH CURRENT CAPABILITY
- EXCEEDS ENVIRONMENTAL STANDARDS OF MIL-STD-19500

							Units
Maximum Ratings	SF21	SF22	SF23	SF24	SF25	SF26	
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... $I_{F(av)}$ $T_A = 55^\circ C$	2.0						Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Current & Temp	< 50 >						Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	-65 to 150						$^\circ C$
Electrical Characteristics							
Maximum Forward Voltage @ 2.0A... V_F	< 0.95 > < .. 1.30 .. > 1.50						Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_A = 25^\circ C$ 2.0						$\mu Amps$
	$T_A = 150^\circ C$ 50						$\mu Amps$
Typical Junction Capacitance... C_j (Note 1)	70						pF
Maximum Reverse Recovery Time... t_{RR} (Note 2)	< 35 > < 50 >						ns



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%.

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