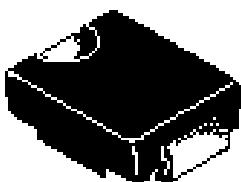


3.0 Amp SMD SUPER FAST RECTIFIERS

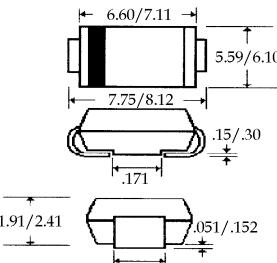
UFS30...36 Series

Description



Mechanical Dimensions

**DO-214AB
(SMC)**



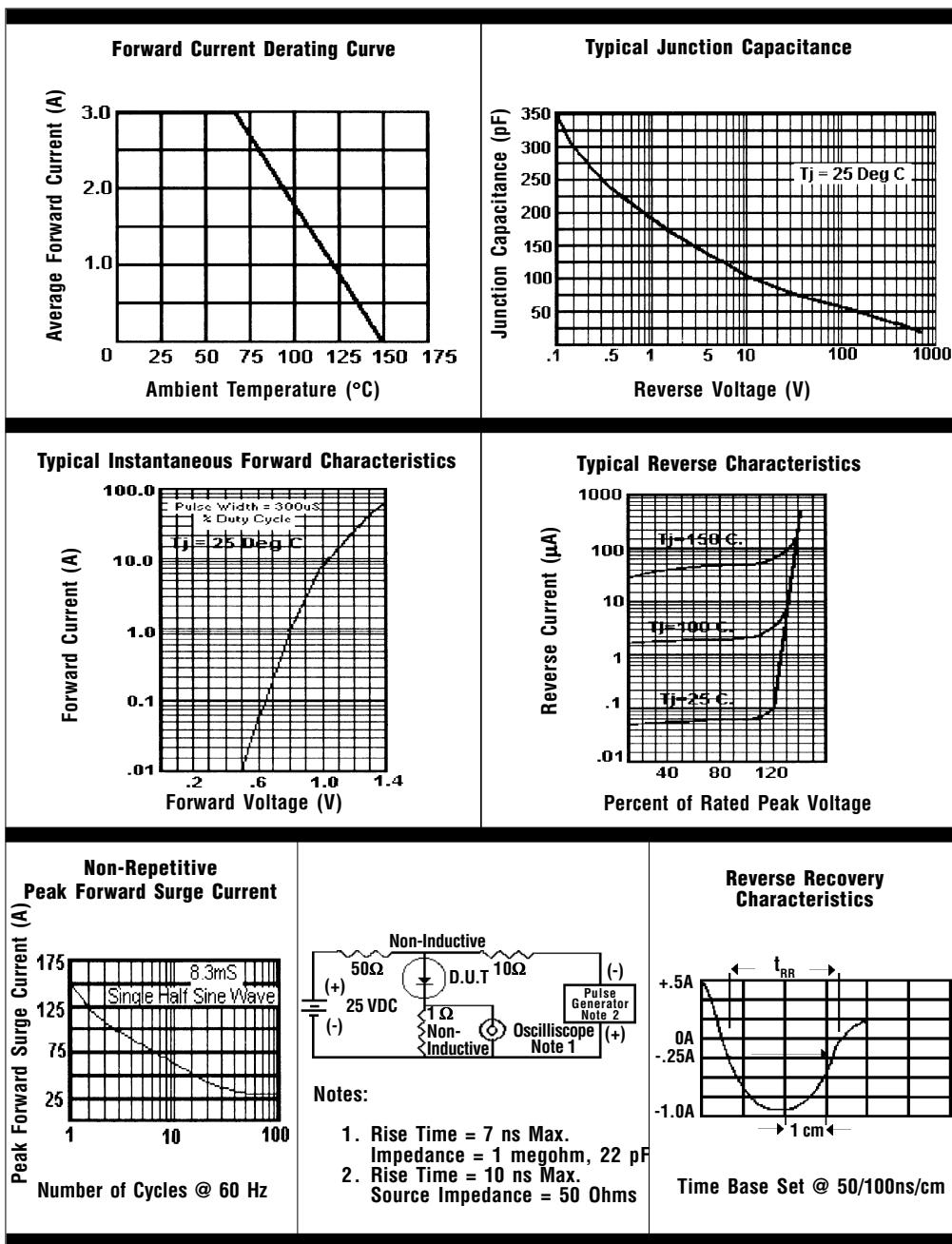
(Dimensions in mm)

Features

- LOW COST
- LOW LEAKAGE

- HIGH SURGE CAPABILITY
- MEETS UL SPECIFICATION 94V-0

UFS30 . . . 36 Series					Units
Maximum Ratings	UFS30	UFS31	UFS32	UFS34	UFS36
Peak Repetitive Reverse Voltage... V_{RRM}	50	100	200	400	600
RMS Reverse Voltage... $V_{R(rms)}$	35	70	140	280	420
DC Blocking Voltage... V_{DC}	50	100	200	400	600
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	.....	.....	Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	.....	-65 to 150	.....	.....	°C
Electrical Characteristics					
Maximum Forward Voltage @ 3.0A... V_F	< 0.95	>	1.3	1.5	Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	.....	5.0	.....	.....	μ Amps
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. I_F = 0.5A, I_R = 1.0A, Irr = 0.25A