

1.0 Amp SMD SUPER FAST RECTIFIERS

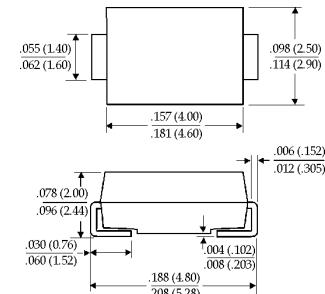
UFS11...16 Series

Description



Mechanical Dimensions

**DO-214AC
(SMA)**

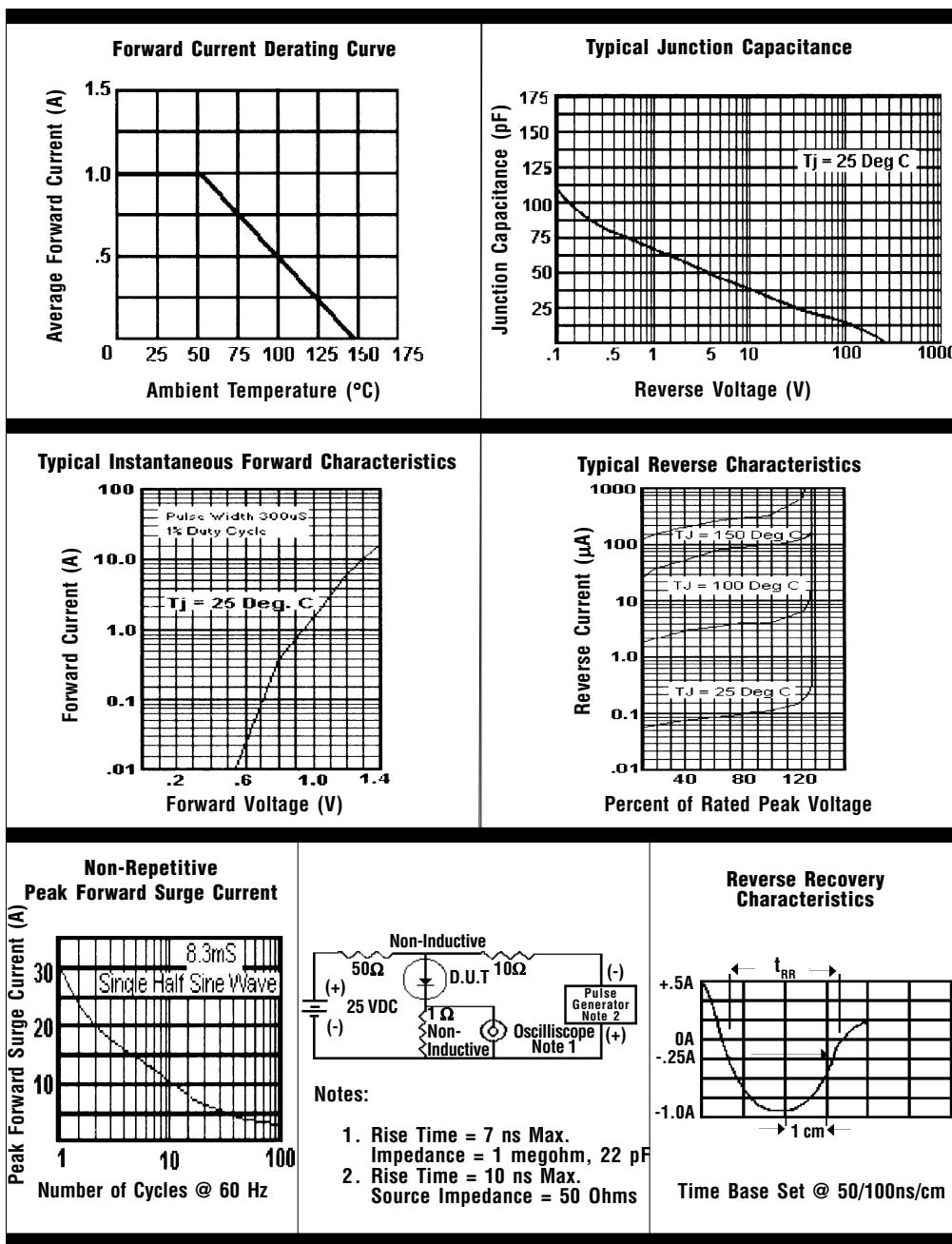


Dimensions in inches and (millimeters)

Features

- HIGH SURGE CAPABILITY
- HIGH CURRENT CAPABILITY
- LOW FORWARD VOLTAGE DROP
- MEETS UL SPECIFICATION 94V-0

	UFS11 . . . 16 Series				Units
Maximum Ratings	UFS11	UFS12	UFS14	UFS16	
Peak Repetitive Reverse Voltage... V_{RRM}	100	200	400	600	Volts
RMS Reverse Voltage... $V_R(rms)$	70	140	280	420	Volts
DC Blocking Voltage... V_{DC}	100	200	400	600	Volts
Average Forward Rectified Current... $I_{F(av)}$ $T_A = 55^\circ C$	.....	1.0	.....	.....	Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Current & Temp	.....	30	.....	.....	Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	.....	-65 to 150	.....	.....	°C
Electrical Characteristics					
Maximum Forward Voltage @ 1.0A... V_F	.95	.95	1.3	1.5	Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage	$T_A = 25^\circ C$	.....	2.0	.....	μ Amps
	$T_A = 100^\circ C$	.....	50	.....	μ Amps
Typical Junction Capacitance... C_J (Note 2)	.....	50	.....	.....	pF
Maximum Reverse Recovery Time... t_{RR} (Note 1)	< 35	> < 50	>	.....	ns



NOTES: 1. $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$

2. Measured @ 1 MHz and applied reverse voltage of 4.0V.

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%.