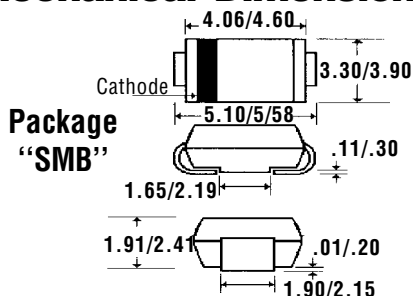


Description



Mechanical Dimensions



Features

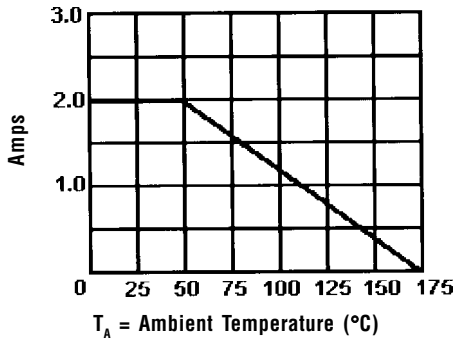
- HIGH SURGE CAPABILITY
- HIGH CURRENT CAPABILITY
- LOW FORWARD VOLTAGE DROP
- MEETS UL SPECIFICATION 94V-0

Electrical Characteristics @ 25°C.	UFS21 . . . 26 Series				Units
Maximum Ratings	UFS21	UFS22	UFS24	UFS26	
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°C	2.0				Amps
Non-Repetitive Peak Forward Surge Current...I _{FSM} @ Rated Current & Temp	50				Amps
Forward Voltage @ 2.0A...V _F	.95				Volts
DC Reverse Current...I _R @ Rated DC Blocking Voltage	T _A = 25°C T _A =150°C	2.0 50			μAmps μAmps
Typical Junction Capacitance...C _J (Note 1)	70				pF
Typical Reverse Recovery Time...t _{RR} (Note 2)	35				nS
Operating & Storage Temperature Range...T _J , T _{STRG}	-65 to 150				°C

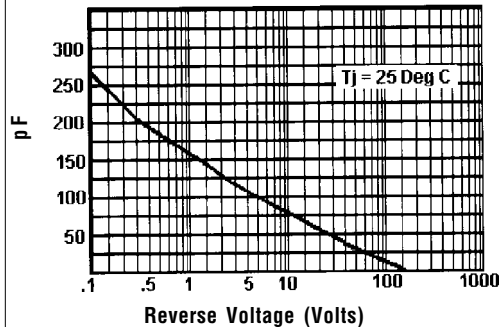
2.0 Amp SMD SUPER FAST RECTIFIERS

UFS21 ... 26 Series

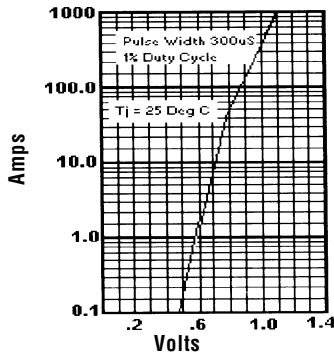
Forward Current Derating Curve



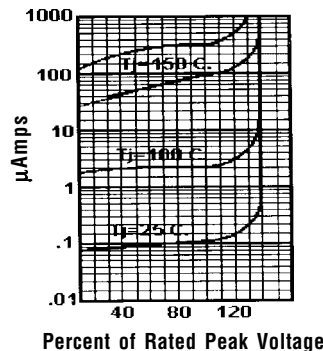
Typical Junction Capacitance



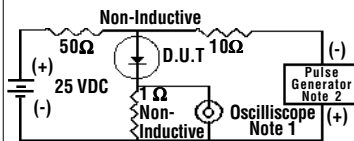
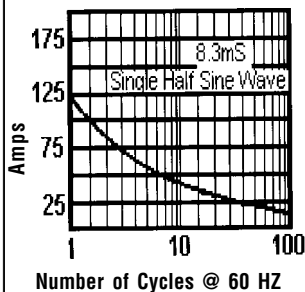
Typical Instantaneous Forward Characteristics



Typical Reverse Characteristics



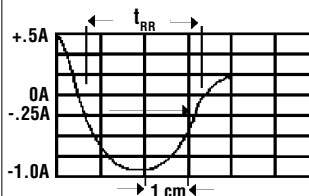
Non-Repetitive Peak Forward Surge Current



Notes:

1. Rise Time = 7 nS Max.
Impedance = 1 megohm, 22 pF
2. Rise Time = 10 nS Max.
Source Impedance = 50 Ohms

Reverse Recovery Characteristics



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: $I_F = 0.5\text{A}$, $I_R = 1.0\text{A}$, $I_{RR} = 0.25\text{A}$.