UFS2200

SURFACE MOUNT FAST SWITCHING RECTIFIER

VOLTAGE：1200V **CURRENT：2.0A**

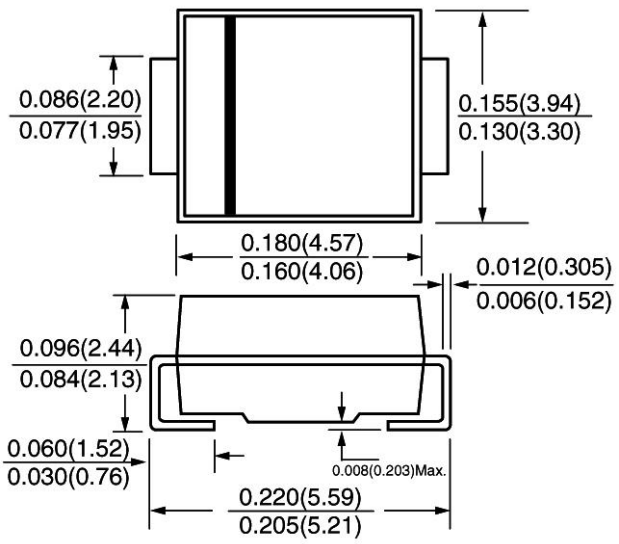
FEATURE

Ideal for surface mount pick and place application
Low profile package
Built-in strain relief
High surge capability
High temperature soldering guaranteed: 260℃/10sec
Glass passivated chip
Fast recovery time for high efficiency

MECHANICAL DATA

Terminal：Plated leads solderable per J-STD-002
Case：Molded with UL-94 class V-0 recognized Flame Retardant Epoxy
Polarity：color band denotes cathode

SMB / DO-214AA



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half -wave, 60HZ, resistive or inductive load rating at 25℃, unless otherwise stated)

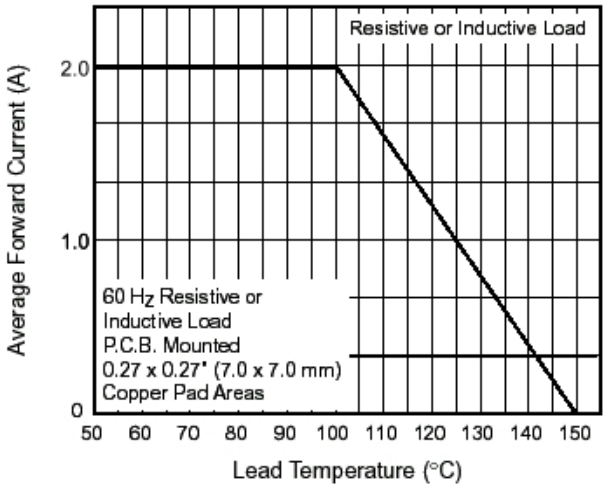
	Symbol	UFS2200	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	1200	V
Maximum RMS Voltage	Vrms	840	V
Maximum DC blocking Voltage	Vdc	1200	V
Maximum Average Forward Rectified Current	If(av)	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50.0	A
Maximum Forward Voltage at Forward current 2A Peak	Vf	1.5	V
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	Ir	10.0 100.0	μA
Maximum Reverse Recovery Time (Note 1)	Trr	100	nS
Typical Junction Capacitance (Note 2)	Cj	15	pF
Typical Thermal Resistance (Note 3)	Rth(jc)	23	℃/W
Storage and Operating Junction Temperature	Tstg,Tj	-55 to +150	℃

Note：

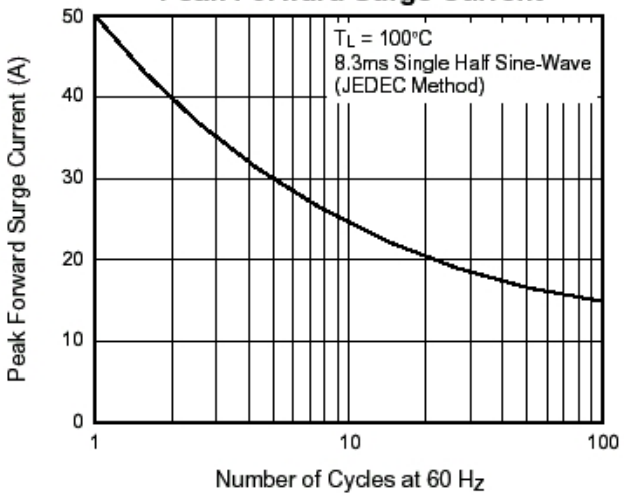
1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
3. Thermal Resistance from Junction to case

RATINGS AND CHARACTERISTIC CURVES UFS2200

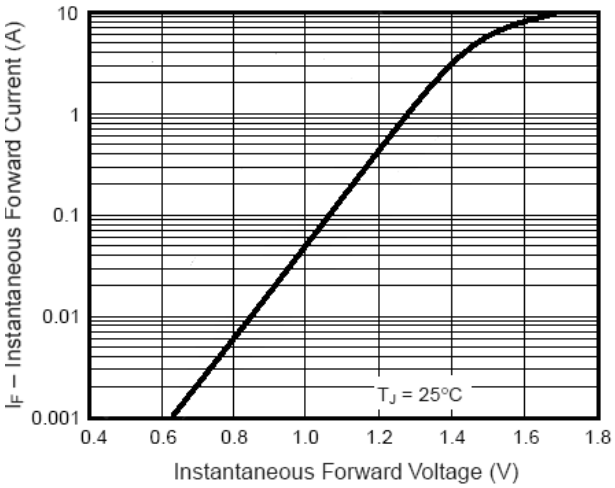
Forward Current Derating Curve



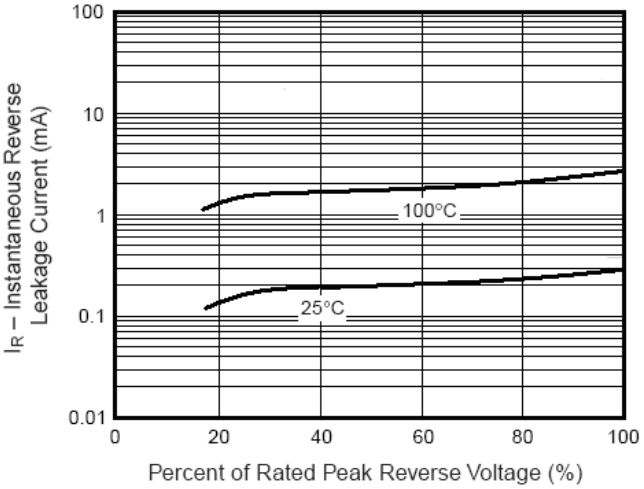
Maximum Non-Repetitive Peak Forward Surge Current



Typical Instantaneous Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance