

MURS260-A

SURFACE MOUNT ULTRAFAST GLASS PASSIVATED RECTIFIER

VOLTAGE: 600V

CURRENT: 2.0A



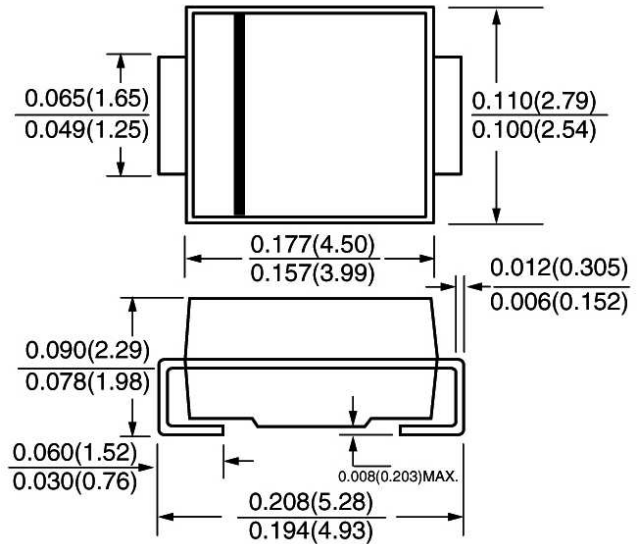
FEATURE

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

MECHANICAL DATA

Terminal: Solder plated, solderable per MIL-STD-750,
 Method 2026
 Case: JEDEC DO-214AC molded plastic body over
 passivated chip
 Polarity: Color band denotes cathode
 Marking: M260A

SMA / DO-214AC



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated,
 for capacitive load, derate current by 20%)

	SYMBOL	MURS260-A	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	600	V
Maximum RMS Voltage	V _{rms}	420	V
Maximum DC blocking Voltage	V _{dc}	600	V
Maximum Average Forward Rectified	I _{f(av)}	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	35.0	A
Maximum Forward Voltage at rated Forward current	V _f	1.45	V
Maximum Reverse Recovery Time (Note 1)	T _{rr}	50	nS
Maximum DC Reverse Current at rated DC blocking voltage	I _r	5.0 150.0	μA
Typical Junction Capacitance (Note 2)	C _j	30.0	pF
Typical Thermal Resistance (Note 3)	R _{th(jl)}	13.0	°C/W
Storage and Operating Temperature	T _j , T _{stg}	-50 to +150	°C

Note:

- Reverse Recovery Condition I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A
- Measured at 1.0 MHz and applied voltage of 4.0V_{dc}
- Thermal Resistance from Junction to terminal mounted on 5x5mm copper pad area

RATINGS AND CHARACTERISTIC CURVES MURS260-A

Figure 1. Maximum Forward Voltage

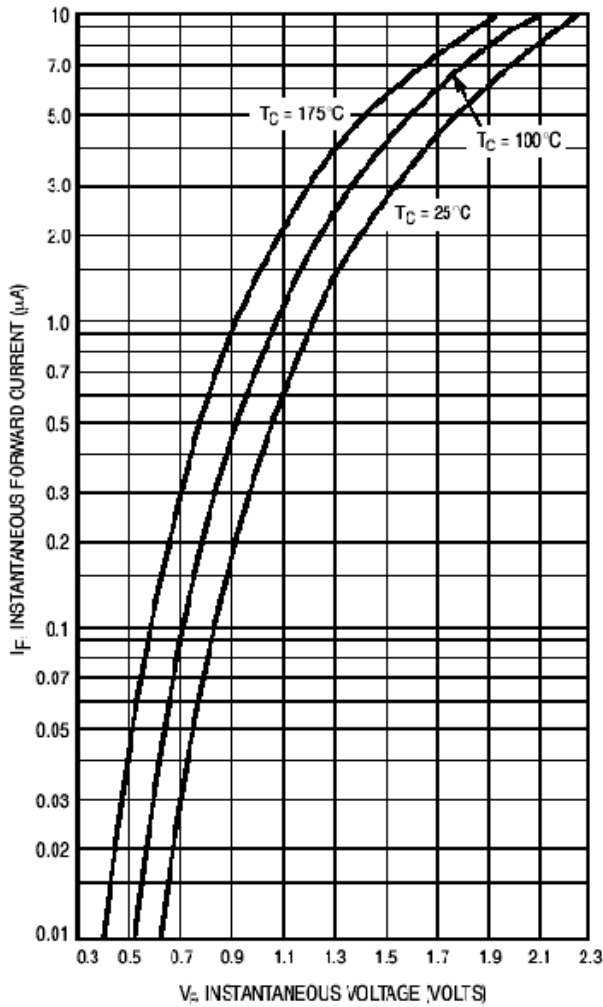


Figure 2. Maximum Reverse Current

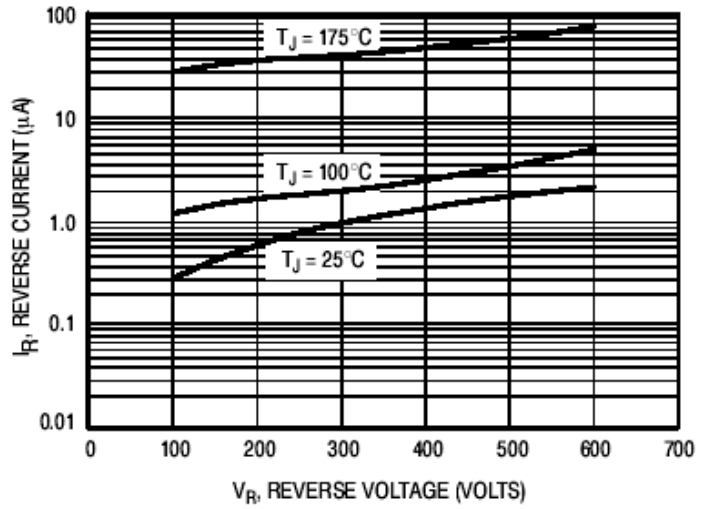


Figure 3. Typical Capacitance

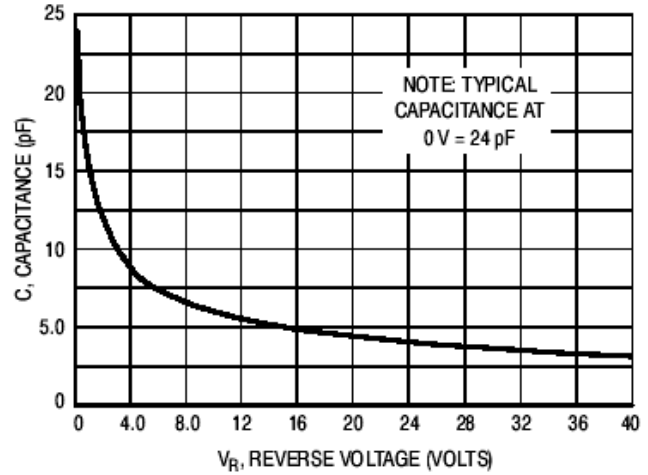


Figure 4. Current Derating, Case

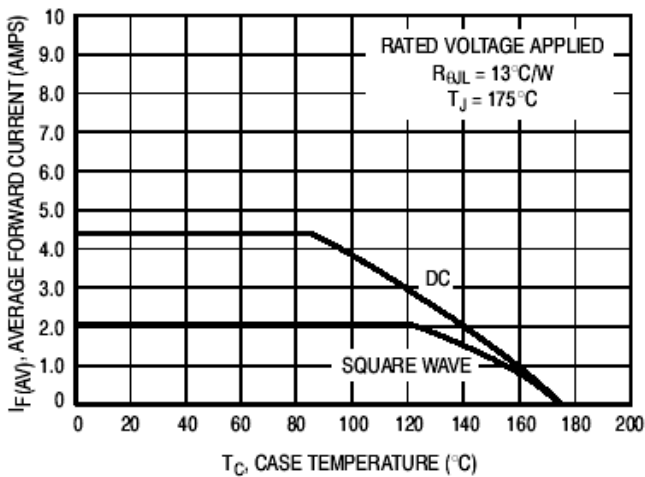


Figure 5. Power Dissipation

