

# MUR260

**PRV : 600 Volts**  
**I<sub>o</sub> : 2.0 Amperes**

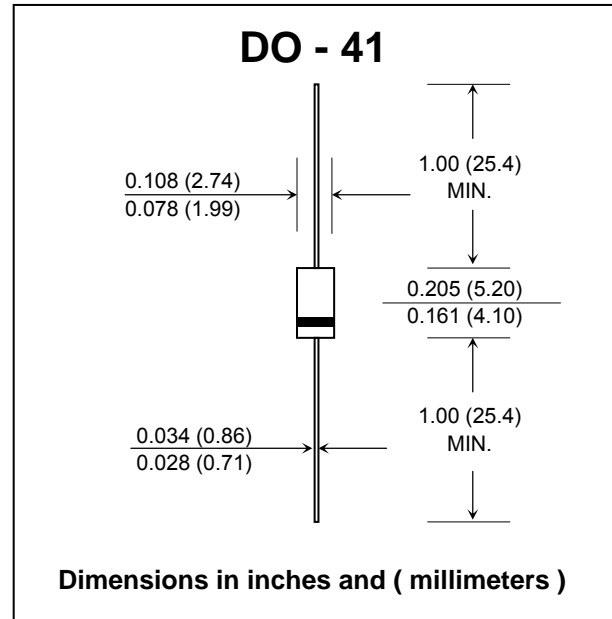
## FEATURES :

- \* Ultrafast Recovery Time 50 ns
- \* 175 °C Operating Junction Temperature
- \* Low Forward Voltage
- \* Low Leakage Current
- \* **Pb / RoHS Free**

## MECHANICAL DATA

- \* Case : DO-41 Molded plastic
- \* Epoxy : UL94V-0 rate flame retardant
- \* Lead : Axial lead solderable per MIL-STD-202, Method 208
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any
- \* Weight : 0.339 gram

## ULTRAFAST RECTIFIER



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600	V
Maximum Working Reverse Voltage	V <sub>RWM</sub>	600	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	600	V
Maximum Average Forward Current @ Ta = 60 °C	I <sub>F(AV)</sub>	2.0	A
Maximum Non-repetitive Peak Forward Surge Current (Surge applied at rated load condition, halfwave, single phase, 60 Hz)	I <sub>FSM</sub>	35	A
Maximum Instantaneous Forward Voltage (Note 1) (I <sub>F</sub> = 2.0 A , T <sub>J</sub> = 25 °C)	V <sub>F</sub>	1.5	V
Maximum Instantaneous Reverse Current (Note 1) ( Rated DC Voltage, T <sub>J</sub> = 25 °C ) ( Rated DC Voltage, T <sub>J</sub> = 150 °C )	I <sub>R</sub>	5	μA
	I <sub>R(H)</sub>	150	μA
Maximum Reverse Recovery Time (I <sub>F</sub> = 0.5A, I <sub>R</sub> = 1A ; Irr = 0.25 A)	T <sub>rr</sub>	50	ns
Operating Junction and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	- 65 to + 175	°C

**Note :** (1) Pulse Test : Pulse Width = 300 μs, Duty Cycle ≤ 2.0%

## RATING AND CHARACTERISTIC CURVES ( MUR260 )

FIG. 1 - CURRENT DERATING

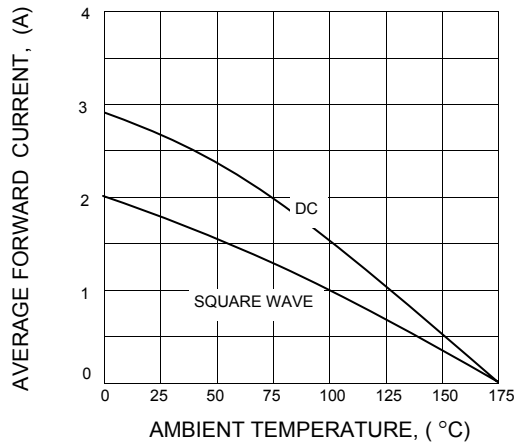


FIG. 2 - POWER DISSIPATION

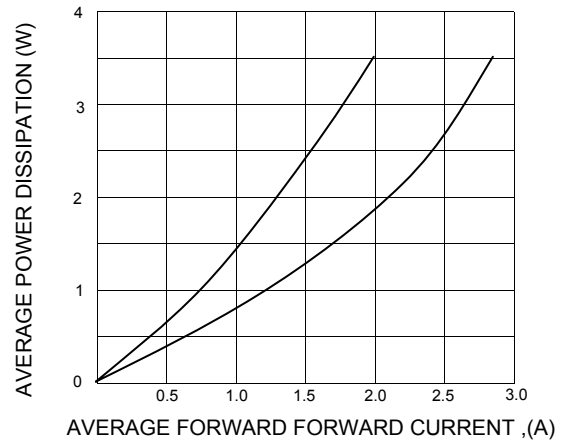


FIG. 3 - MAXIMUM FORWARD VOLTAGE

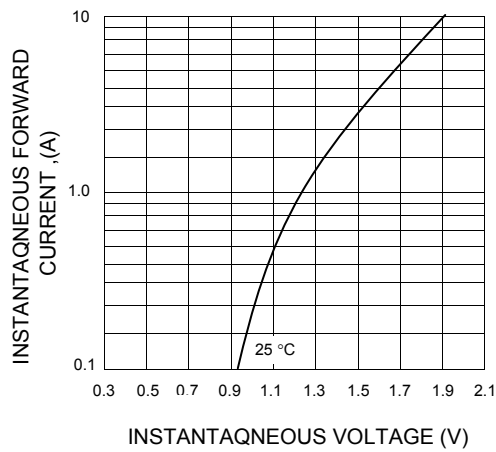


FIG. 4 - MAXIMUM REVERSE CURRENT

