

MUR260

PRV : 600 Volts
Io : 2.0 Amperes

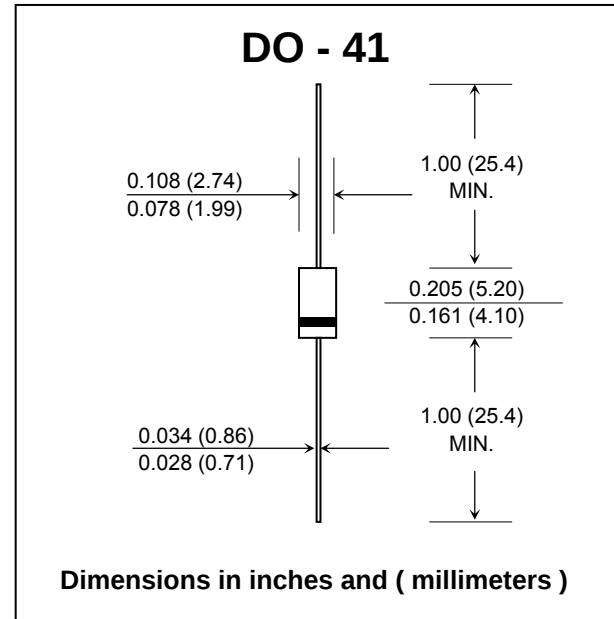
FEATURES :

- * 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_{RRM}	600	V
Maximum Working Reverse Voltage	V_{RWM}	600	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Current @ $T_a = 60\text{ }^{\circ}\text{C}$	$I_{F(AV)}$	2.0	A
Maximum Non-repetitive Peak Forward Surge Current (Surge applied at rated load condition, halfwave, single phase, 60 Hz)	I_{FSM}	35	A
Maximum Instantaneous Forward Voltage (Note 1) ($I_F = 2.0\text{ A}$, $T_J = 25\text{ }^{\circ}\text{C}$)	V_F	1.5	V
Maximum Instantaneous Reverse Current (Note 1) (Rated DC Voltage, $T_J = 25\text{ }^{\circ}\text{C}$) (Rated DC Voltage, $T_J = 150\text{ }^{\circ}\text{C}$)	I_R	5	μA
	$I_{R(H)}$	150	μA
Maximum Reverse Recovery Time ($I_F = 0.5\text{ A}$, $I_R = 1\text{ A}$; $I_{rr} = 0.25\text{ A}$)	T_{rr}	50	ns
Operating Junction and Storage Temperature Range	T_J, T_{STG}	- 65 to + 175	$^{\circ}\text{C}$

Note : (1) Pulse Test : Pulse Width = 300 μs , Duty Cycle $\leq 2.0\%$

RATING AND CHARACTERISTIC CURVES (MUR260)

FIG. 1 - CURRENT DERATING

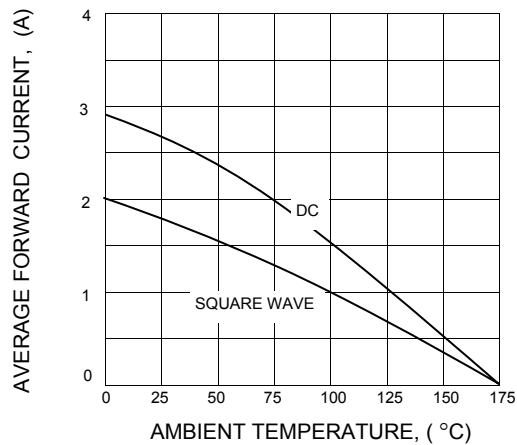


FIG. 2 - POWER DISSIPATION

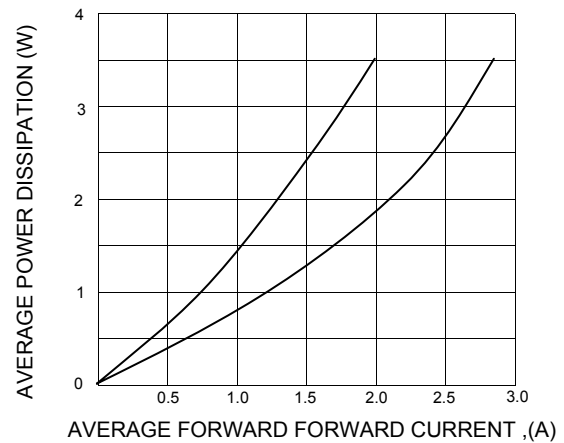


FIG. 3 - MAXIMUM FORWARD VOLTAGE

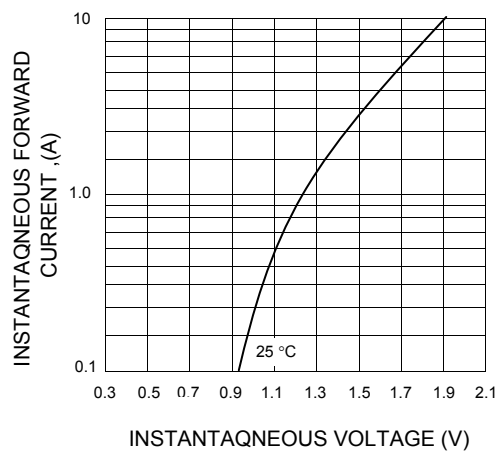


FIG. 4 - MAXIMUM REVERSE CURRENT

