

MUR260

PRV : 600 Volts
I_o : 2.0 Amperes

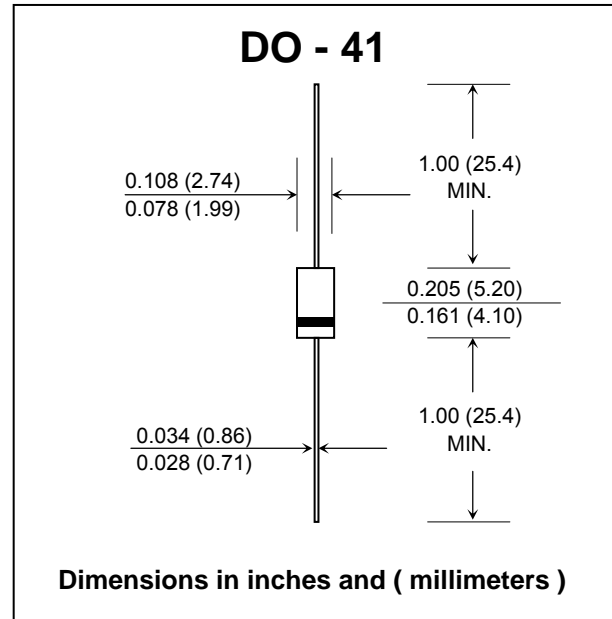
FEATURES :

- * 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 @ Ta = 60 °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 A , T _J = 25 °C)	V _F	1.5	V
Maximum Instantaneous Reverse Current (Note 1) (Rated DC Voltage, T _J = 25 °C) (Rated DC Voltage, T _J = 150 °C)	I _R	5	μA
	I _{R(H)}	150	μA
Maximum Reverse Recovery Time (I _F = 0.5A, I _R = 1A ; Irr = 0.25 A)	T _{rr}	50	ns
Operating Junction and Storage Temperature Range	T _J , T _{STG}	- 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

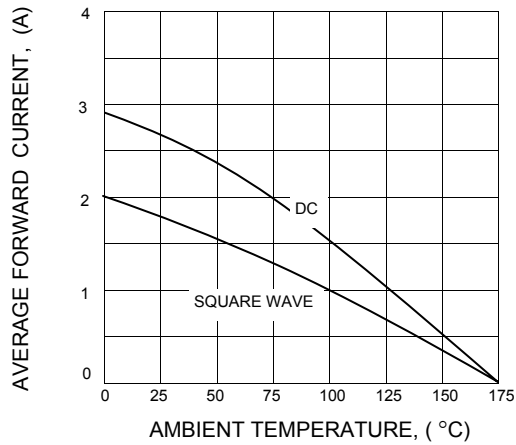


FIG. 2 - POWER DISSIPATION

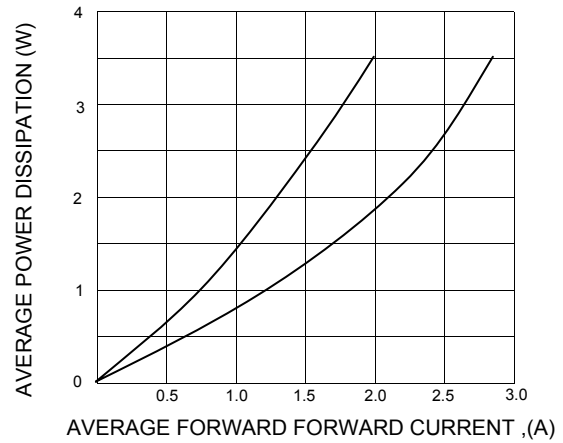


FIG. 3 - MAXIMUM FORWARD VOLTAGE

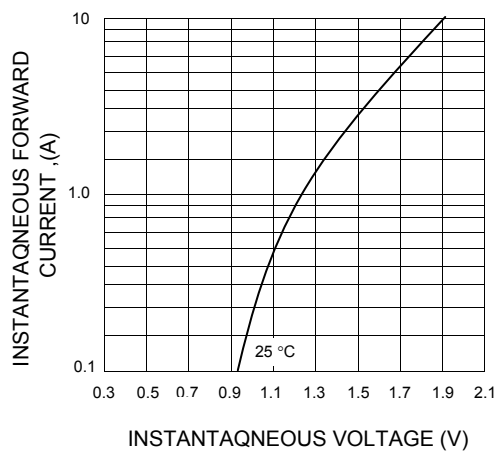


FIG. 4 - MAXIMUM REVERSE CURRENT

