

HV2

PRV : 2000 Volts
Io : 0.5 Ampere

FEATURES :

- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * Pb / RoHS Free

MECHANICAL DATA :

- * Case : DO-41 Molded plastic
- * Epoxy : UL94V-O rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.335 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

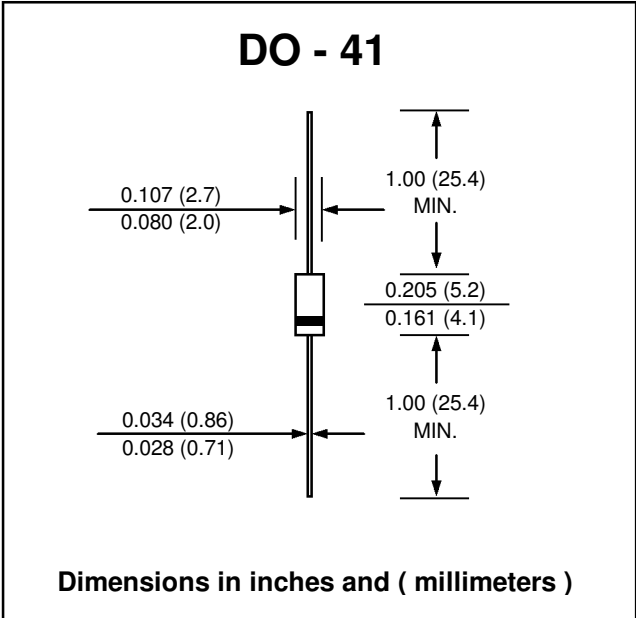
Rating at 25 °C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	VRRM	2000	V
Maximum Surge Peak Reverse Voltage	VRSM	2000	V
Maximum Average Forward Current Ta = 50°C	IF(AV)	0.5	A
Maximum Peak Forward Surge Current	IFSM	27(50Hz half sine-wave)	A
		30(60Hz half sine-wave)	
Maximum Peak Forward Voltage at IF = 0.5 Amp.	VF	3.0	V
Maximum Reverse Current at VRRM , Tj = 25°C	IR	3.0	μA
Maximum Reverse Recovery Time (Note 1)	Trr	400	ns
Operating Junction Temperature Range	TJ	- 50 to + 150	°C
Storage Temperature Range	TSTG	- 50 to + 150	°C

Note :

(1) Reverse Recovery Test Conditions : IF = 10 mA, IR = 10 mA to IR = 1 mA.

FAST SWITCHING HIGH VOLTAGE RECTIFIER DIODE



RATING AND CHARACTERISTIC CURVES (HV2)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

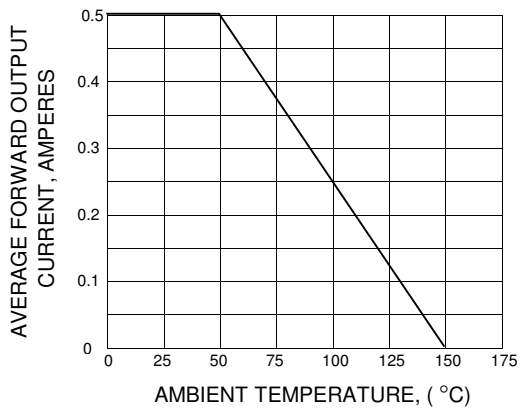


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

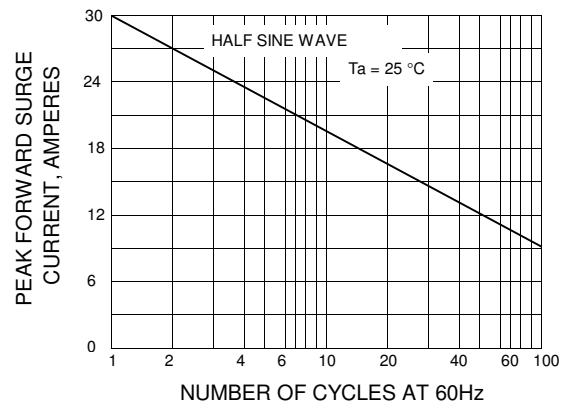


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

