

HVR-1X-40B

PRV : 9000 Volts

Io : 350 mA

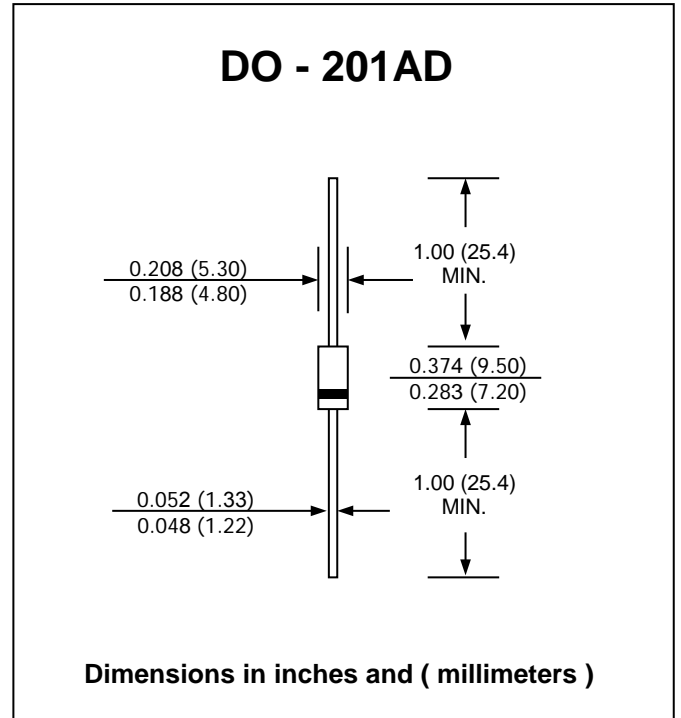
FEATURES :

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

MECHANICAL DATA :

- * Case : DO-201AD Molded plastic
- * Epoxy : UL94V-0 rate flame retardant
- * Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- * Polarity : Color band denotes cathode end
- * Mounting position : Any
- * Weight : 0.929 grams

HIGH VOLTAGE RECTIFIER



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 Peak Reverse Voltage	V _{RM}	9000	V
Minimum Avalanche Breakdown Voltage	V _{BR(min.)}	9500	V
Maximum Avalanche Breakdown Voltage	V _{BR(max.)}	15000	V
Maximum Average Forward Current	I _{F(AV)}	350	mA
Maximum Peak Forward Surge Current 50 Hz, Half-cycle, Sine wave, Single Shot Ta = 60°C	I _{FSM}	20	A
Maximum Peak Forward Voltage at I _F = 350 mA	V _F	9.0	V
Maximum Reverse Current at V _R = V _{RMmax}	I _R	10	μA
Storage Temperature Range	T _{STG}	- 30 to + 130	°C

RATING AND CHARACTERISTIC CURVES (HVR-1X-40B)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

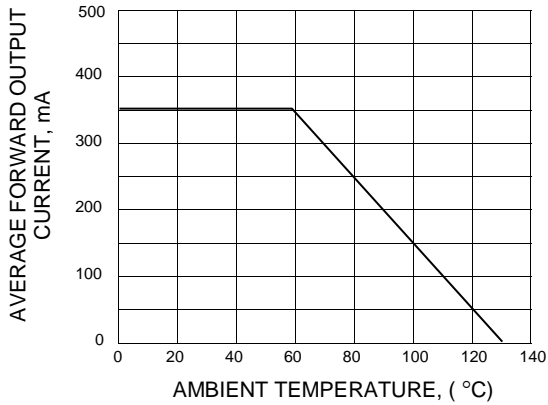


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

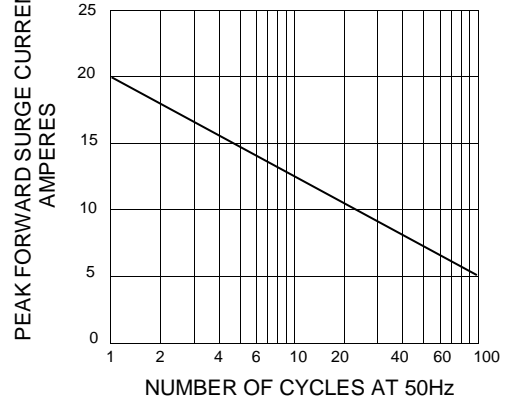


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

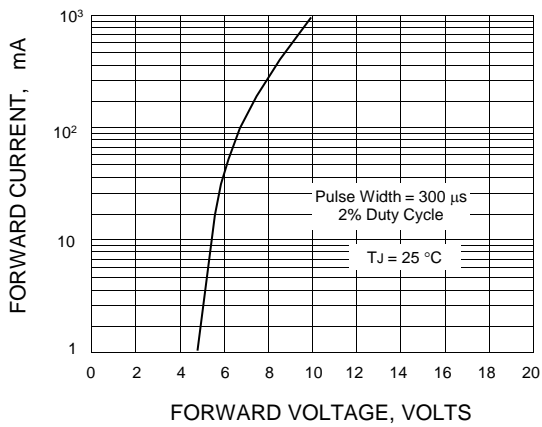


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

