

UX-G5B

HIGH VOLTAGE ULTRA FAST RECOVERY RECTIFIER

PRV : 7500 Volts

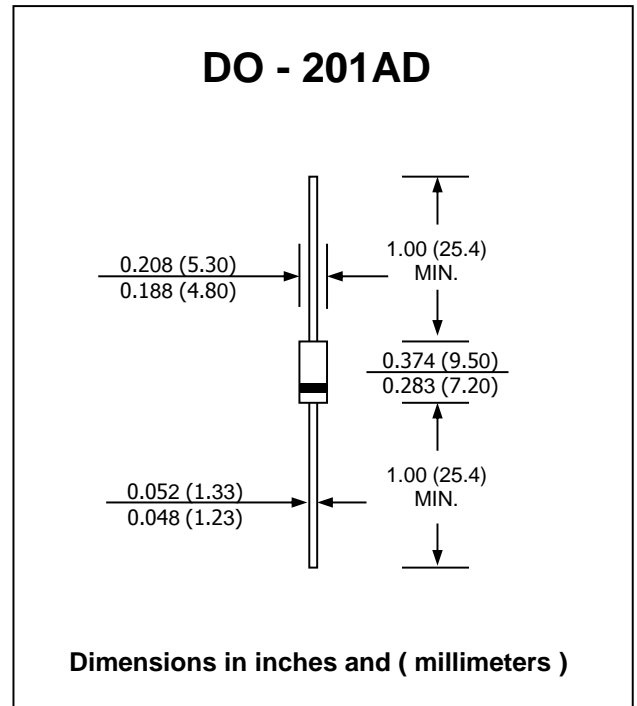
Io : 350 mA

FEATURES :

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

MECHANICAL DATA :

- * Case : DS-21B 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



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	7500	V
Minimum Avalanche Breakdown Voltage	VBR(min.)	8200	V
Maximum Average Forward Current Ta = 60°C	IF(AV)	350	mA
Maximum Non-repetitive Peak Forward Surge Current , 50 Hz Sine half-wave	IFSM	15	A
Maximum Surge Reverse Current	IRSM	150	mA
Maximum Forward Voltage at IF = 350 mA	VF	13.5	V
Maximum Reverse Current at VR = VRRM	IR	10	µA
Maximum Typical Reverse Recovery Time (Note 1)	Trr	0.15	µs
Junction Temperature	TJ	- 40 to + 150	°C
Storage Temperature Range	TSTG	- 40 to + 120	°C

Notes :

(1) Reverse Recovery Test Conditions : IF = 100 mA, IR = 100 mA.