

UX-FOB

HIGH VOLTAGE ULTRA FAST RECOVERY RECTIFIER

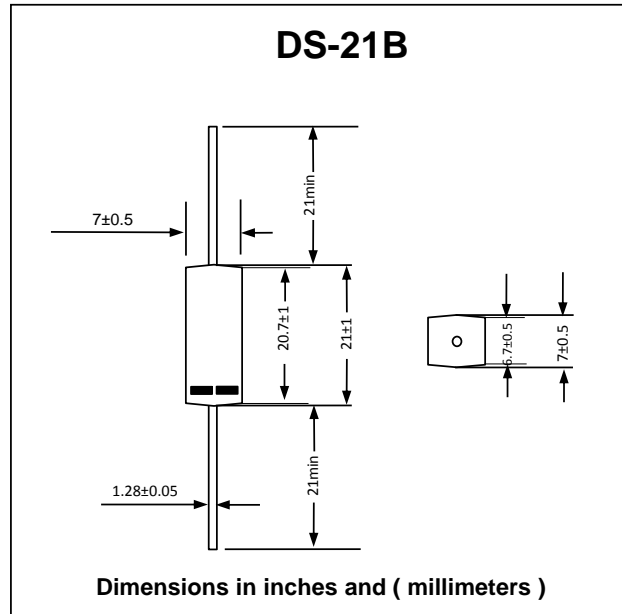
PRV : 8000 Volts
Io : 500 mA

FEATURES :

- * Glass Passivated Junction Chip
- * High current capability
- * High surge current capability
- * High reliability
- * Low reverse current
- * 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
- * Weight : 2.76 grams



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}	8000	V
Maximum Average Forward Current , Ta = 60 °C	$I_{F(AV)}$	500	mA
Maximum Peak Forward Surge Current 50 Hz, Half-cycle, Sine wave, Single Shot, Ta = 60 °C	I_{FSM}	15	A
Maximum Forward Voltage at $I_F = 350$ mA	V_F	14	V
Maximum Reverse Current at $V_R = V_{RMmax}$	I_R	10	μ A
Maximum Reverse Recovery Time (Note 1)	T_{rr}	150	ns
Storage Temperature Range	T_{STG}	- 40 to + 130	°C

Note:

(1) Reverse Recovery Test Conditions : $I_F = 100$ mA, $I_{RP} = 100$ mA.