

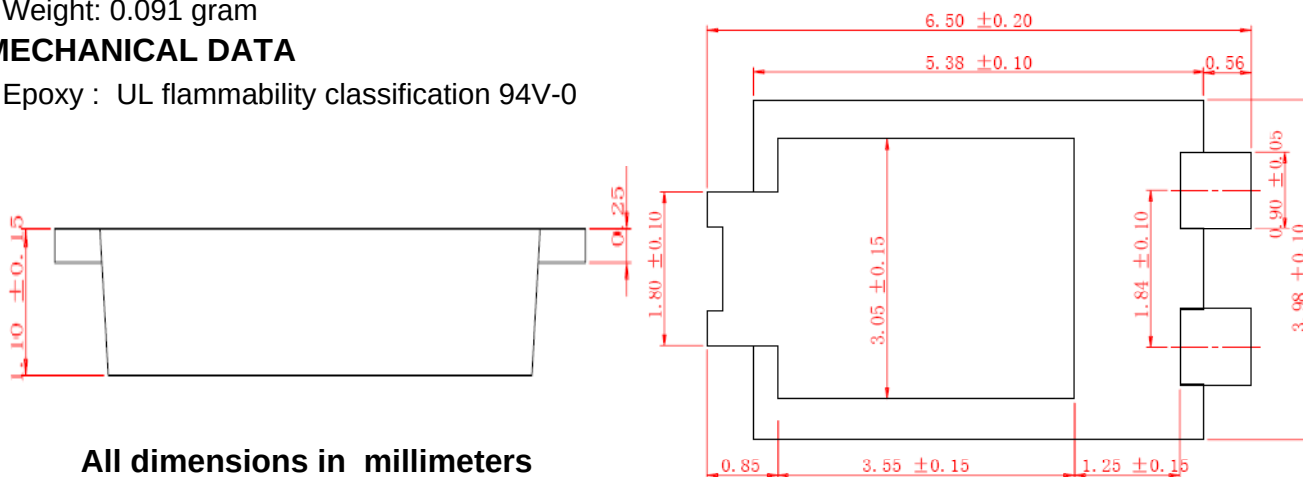
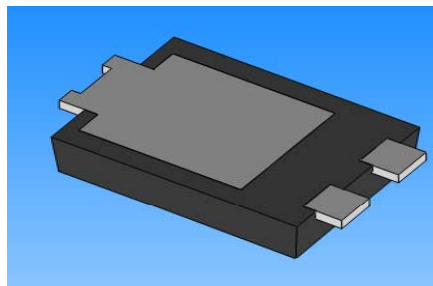
FEATURES

- * Low switching noise
- * Low forward voltage drop
- * High surge capability
- * High current capability
- * Mounting position: Any
- * Weight: 0.091 gram

MECHANICAL DATA

- * Epoxy : UL flammability classification 94V-0

TO-277



All dimensions in millimeters

MAXIMUM RATINGS (@ $T_A=25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	1045G	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	45	Volts
Maximum RMS Voltage	V_{RMS}	31.5	Volts
Maximum DC Blocking Voltage	V_{DC}	45	Volts
Maximum Average Forward Rectified Current at Ambient Temperature	I_O	10	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I_{FSM}	150	Amps
Operating Temperature Range	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to + 150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS(@ $T_A=25^\circ\text{C}$ unless otherwise noted)

Forward Voltage Drop (note1)		VF	TYP.	MAX.	Volts
IF=10A , TA= 25°C			0.52	0.56	
IF=10A , TA= 125°C			0.49	-	
Maximum Reverse Current at Rated DC Blocking Voltage	@TA= 25°C	IR	150		uA
	@TA= 125°C		100		mA

Notes:(1) Pulse test :300 us pulse width,1% duty cycle