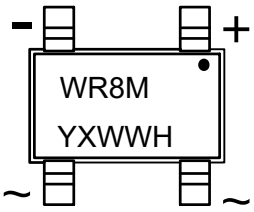
Ultrasoft Recovery Bridge



Note:

1.The silk screen is WR8M ;
2.YXWWH means to produce LOT。

Features

- Low profile space
- Ideal for printed circuit board
- Low reverse leakage
- Ultrafast reverse recovery time
- Applicated in power supply equipment
- High ring wave immunity capability

Benefits

- Case: NBS
- Terminals: Solderable Per MIL-STD-750
- Approx. Weight: 82mg 0.0029oz

Maximum Ratings and Electrical characteristics

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

Parameter	Symbols	WR8M	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Average Rectified Output Current	I_o	0.8	A
Reverse Recovery Time. IF=0.5A,IR=1A,IRR=0.25A	Trr	10	us
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	25	A
I^2t rating for fusing (1ms< t < 10ms)	I^2t	2.6	A^2S
Maximum Forward Voltage at 0.4 A	V_F	1.1	V
Maximum DC Reverse Current @TA=25 °C at Rated DC Blocking Voltage @TA=125 °C	I_R	5 100	μA
Typical Junction Capacitance（Note1）	Cj	82	pF
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +150	°C
Typical thermal resistance (Note 2)	RthJL RthJA	35 180	°C/W

Note: 1. Measured at 1MHz and applied reverse voltage of 4 VDC.
2. Thermal resistance junction to case, lead and ambient in accordance with JESD-51.
Unit mounted on glass-epoxy substrate with 1oz/ft2_20x20 mm copper pad per pin with heatsink

RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)

Fig.1 Foward Current Derating Curve

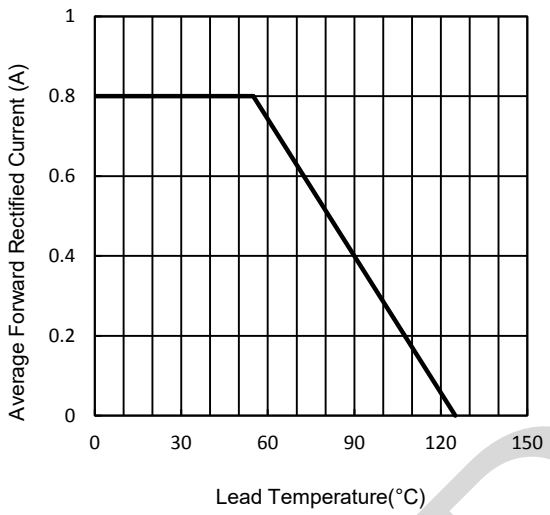


Fig.2 Maximum Non-Repetitive Peak Forward Surge Current

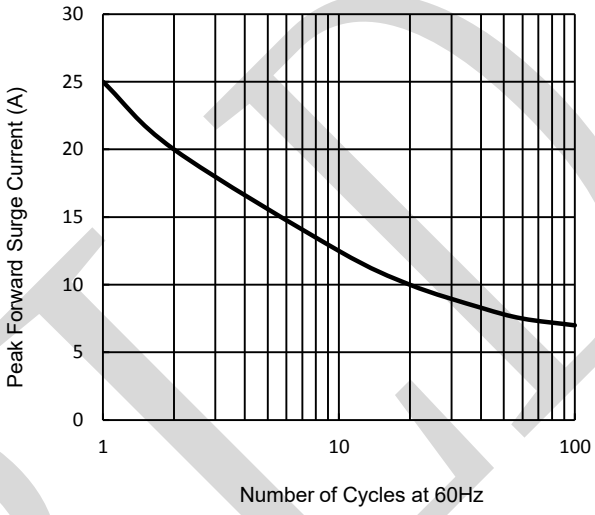


Fig.3 Typical Forward Current Characteristics

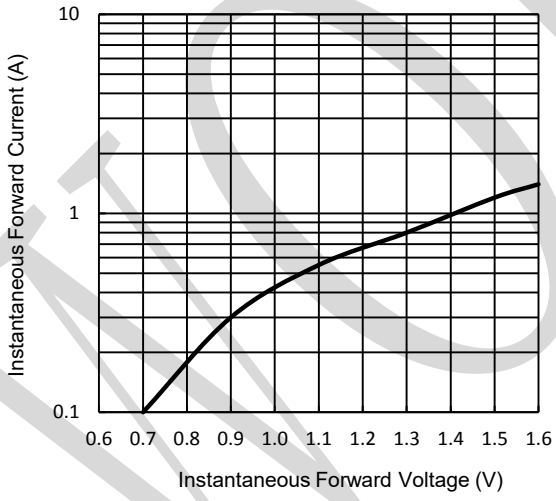
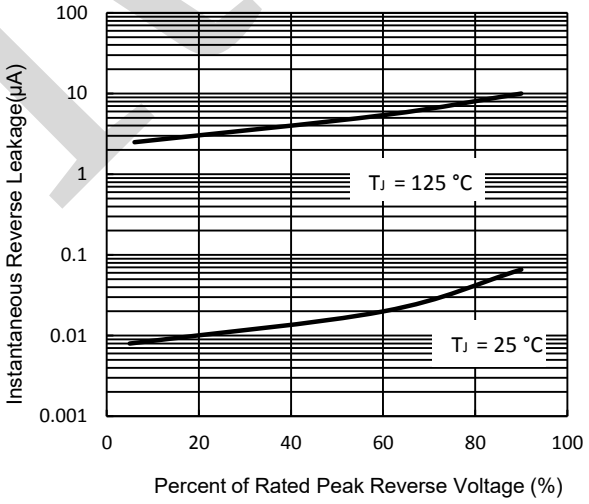


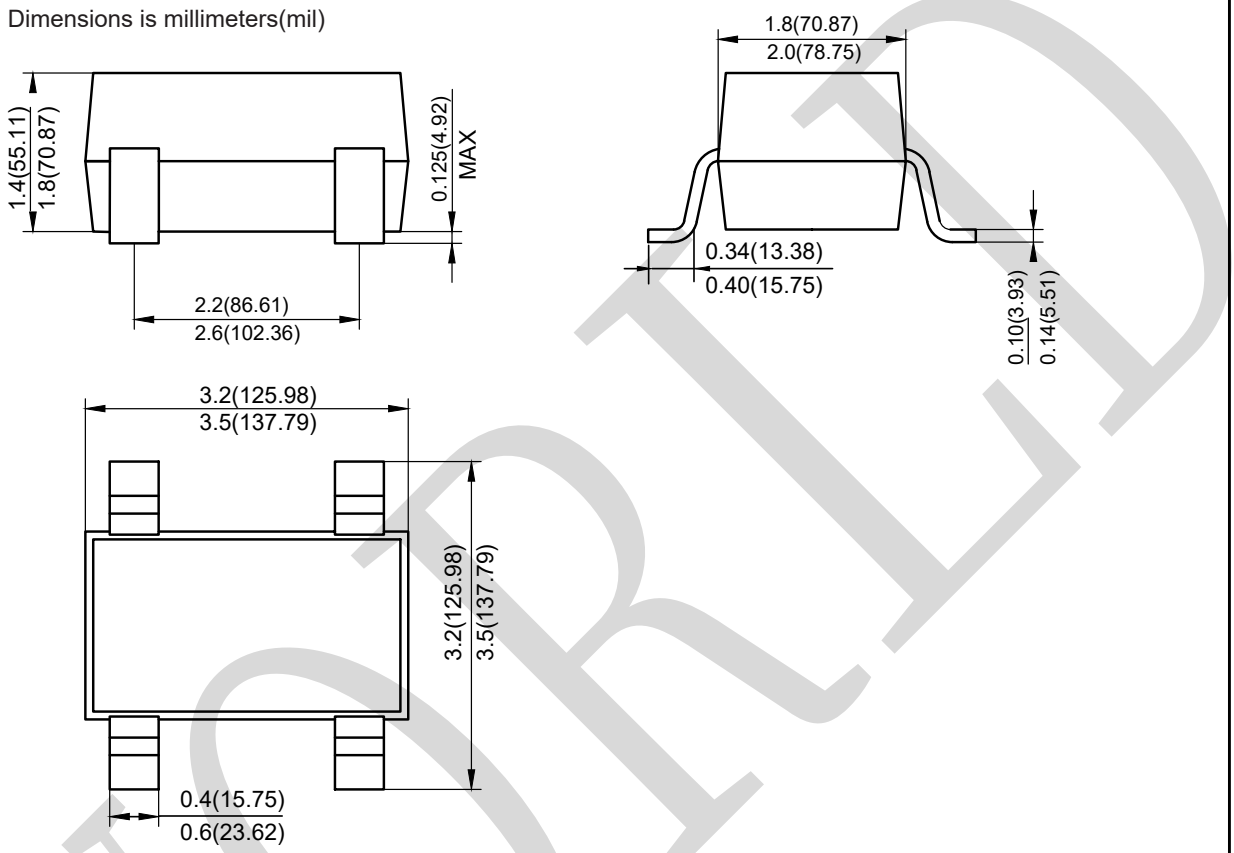
Fig.4 Typical Reverse Characteristics



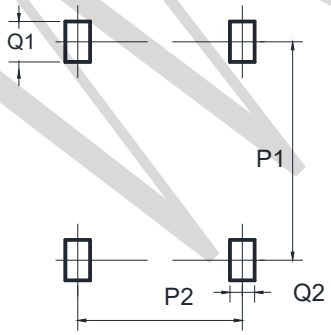
PACKAGE OUTLINE DIMENSIONS

NBS

Dimensions is millimeters(mil)



NBS Suggested Pad Layout



Dimensions is millimeters

UNIT		P1	P2	Q1	Q2
mm	min	3.1	2.4	0.8	0.8
mil	min	122.05	94.5	31.50	31.50