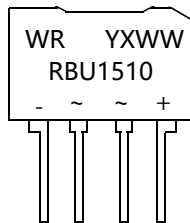


Ultrasoft Recovery Bridge



PINNING

PIN	DESCRIPTION
1	Input Pin $\sim$
2	Input Pin $\sim$
3	Output Anode $+$
4	Output Cathode $-$

Features

- Glass Passivated Chip Junction
- Reverse Voltage - 1000 V
- Forward Current - 15A
- High Surge Current Capability
- Designed For Surface Mount Application

Benefits

- Case: RBU
- Terminals: Solderable Per MIL-STD-750

Maximum Ratings and Electrical characteristics

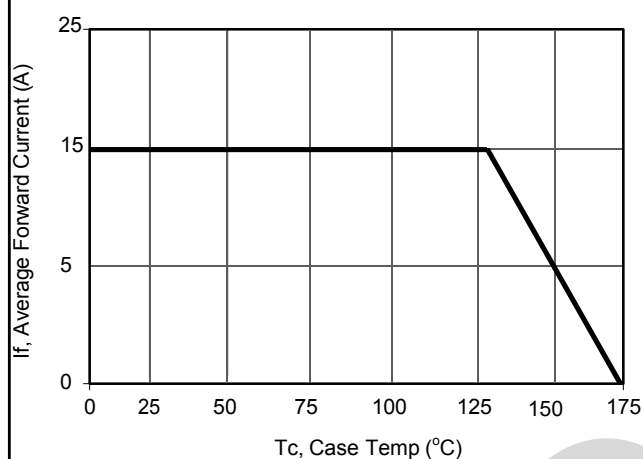
Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

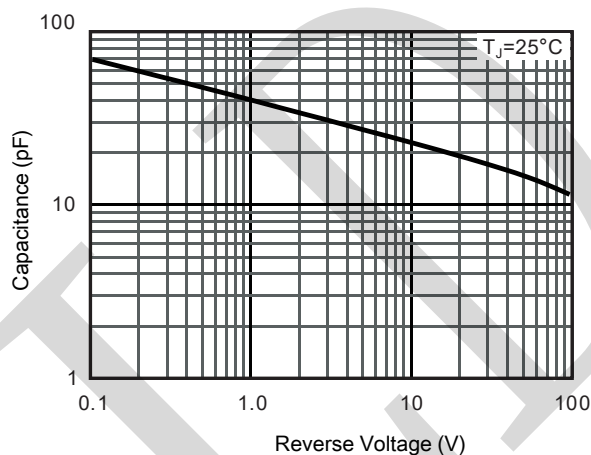
Parameter	Symbols	WRRBU1510	Units
Maximum Repetitive Peak Reverse Voltage	VRRM	1000	V
Maximum RMS voltage	VRMS	700	V
Maximum DC Blocking Voltage	VDC	1000	V
Average Rectified Output Current	I_o	15.0	A
Reverse Recovery Time. $I_F=0.5A, I_R=1A, I_{RR}=0.25A$	T_{rr}	10	us
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	240	A
$I^2 t$ rating for fusing ($1ms < t < 10ms$)	$I^2 t$	288	A ² S
Maximum Forward Voltage at 7.5 A	VF	1.15	V
Maximum DC Reverse Current @TA=25 °C at Rated DC Blocking Voltage @TA=125 °C	IR	5 100	μA
Typical thermal resistance (Note 1)	RthJA	50	°C/W
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +150	°C

Note: 1. Mounted on glass epoxy PC board with $4 \times 1.5" \times 1.5"$ (3.81×3.81 cm) copper pad.

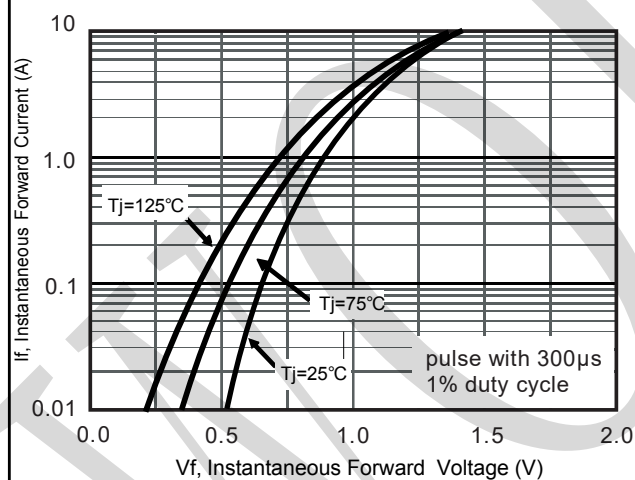
RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



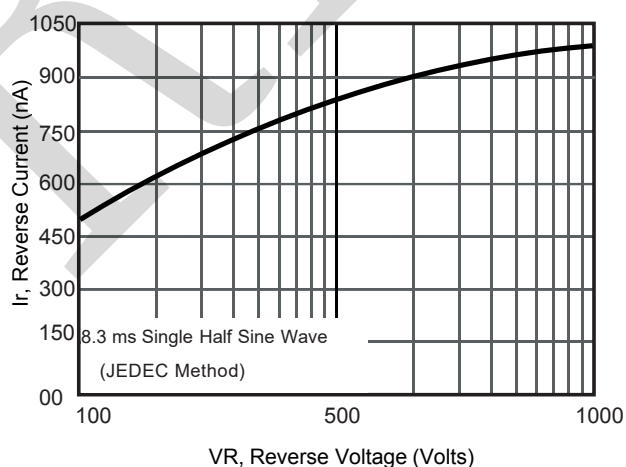
Current Derating, Case



Typical Junction Capacitance

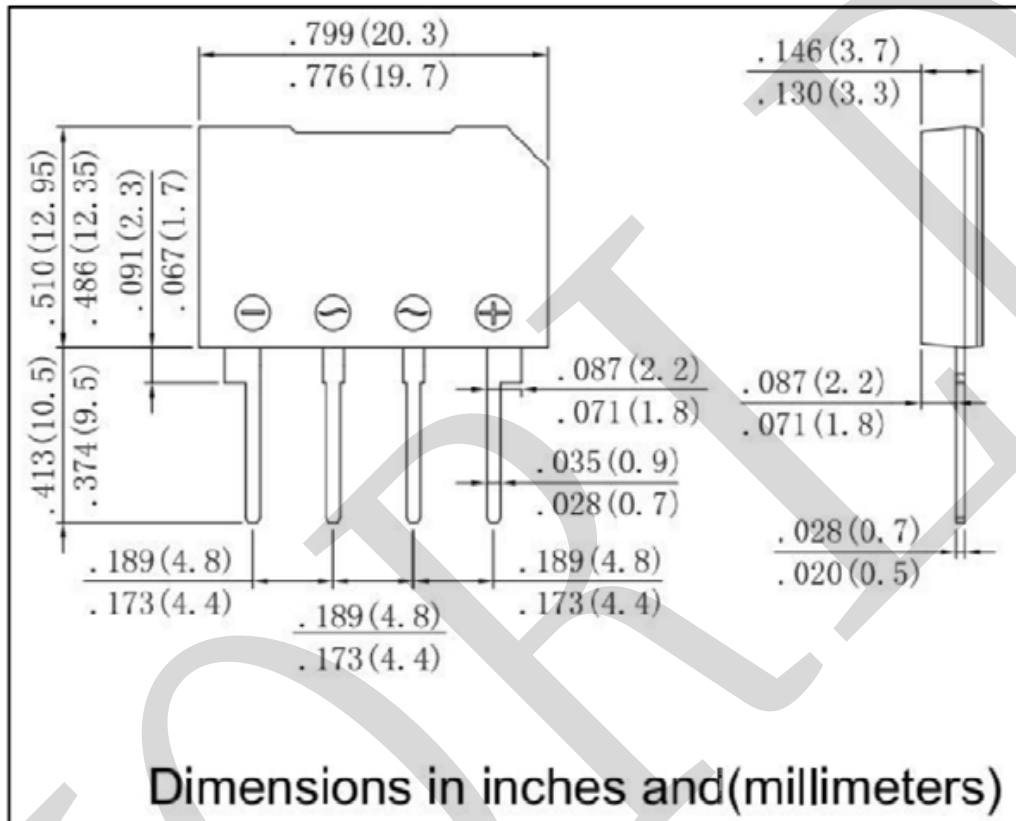


Typical Forward Voltage

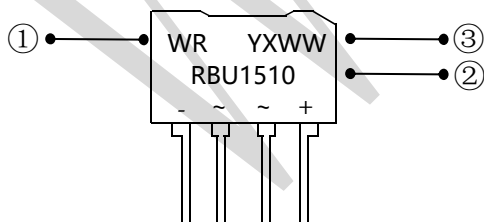


Typical Reverse Current

PACKAGE OUTLINE DIMENSIONS



Marking Information



- ①WR: Sofe-Bridge
- ②Product model : RBU1510
- ③PDC information:

Y X WW

WW:Week code(01 to 53)
X:Internal identification code
Y:Year code(ex:0=2020)