

Rev.A Apr.-2016

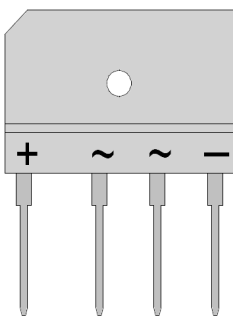
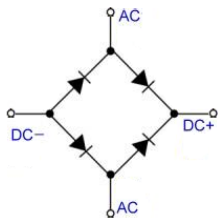
1000V 35A GBJ

Silicon Bridge Rectifiers, Reverse Voltage:1000V,Forward Current:35A,GBJ package.

400A UL94-V0

Surge overload rating -400 amperes peak,Plastic material has UL94-V0.

General purpose.



1	2	3	4
PIN1	DC+	PIN2	AC
		PIN 3	AC
		PIN 4	DC-

See Marking Instructions

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Current	$I_{(AV)}$	35	A
Peak forward surge current	I_{FSM}	400	A
I2t Rating for Fusing ($t < 8.3ms$)	I2t	510	A2s
Typical Junction Capacitance(Note1)	CJ	85	pF
Typical Thermal Resistance (Note2)	$R_{\theta Jc}$	0.6	°C/W
Junction Temperature Range	T_j	150	°C
Storage Temperature Range	T_{stg}	-55~150	°C

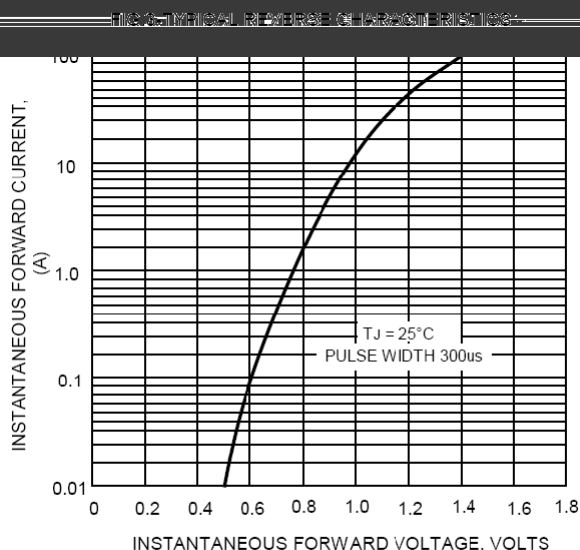
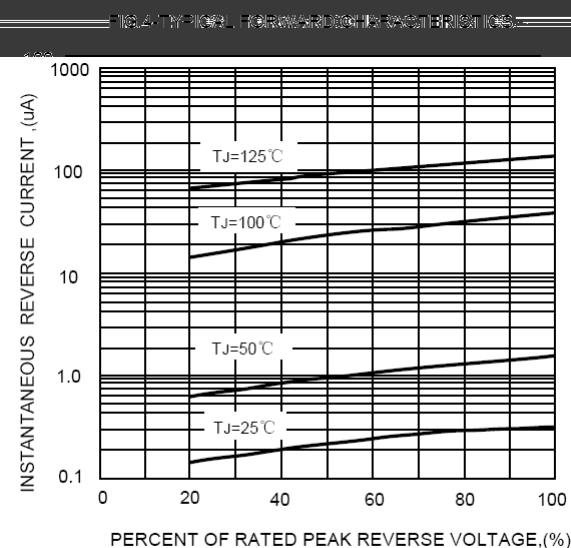
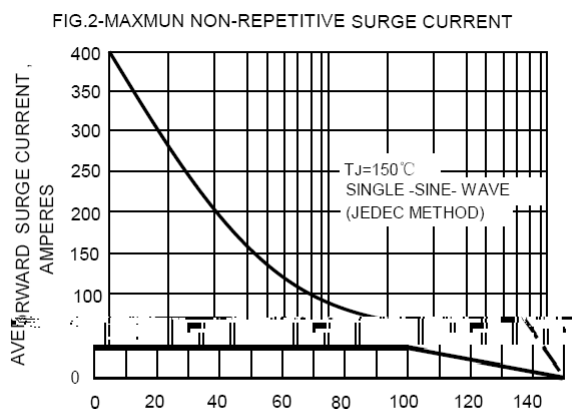
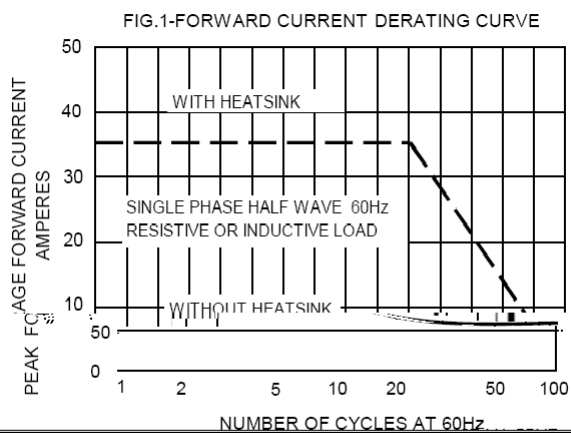
NOTE:

- 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 2.Device mounted on 300mm*300mm*1.6mm cu plate heatsink.

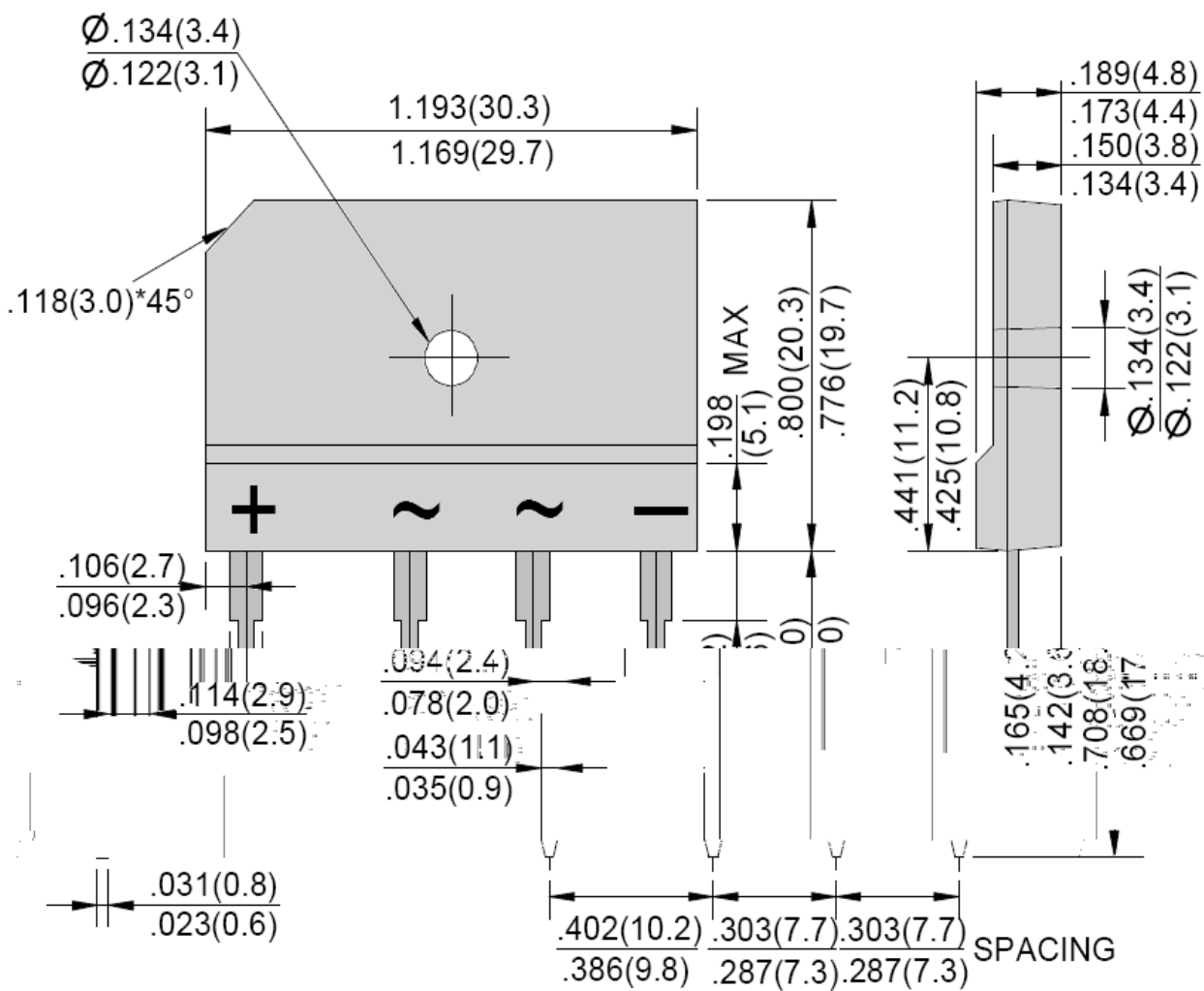
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R=0.1mA$	1000			V
Forward Voltage	V_F	$I_F=17.5A$ $T_J=25^\circ C$			1.1	V
Instantaneous Reverse Current	I_R (Note 1)	$V_R=1000V$ $T_J=25^\circ C$			10	μA
		$V_R=1000V$ $T_J=125^\circ C$			500	

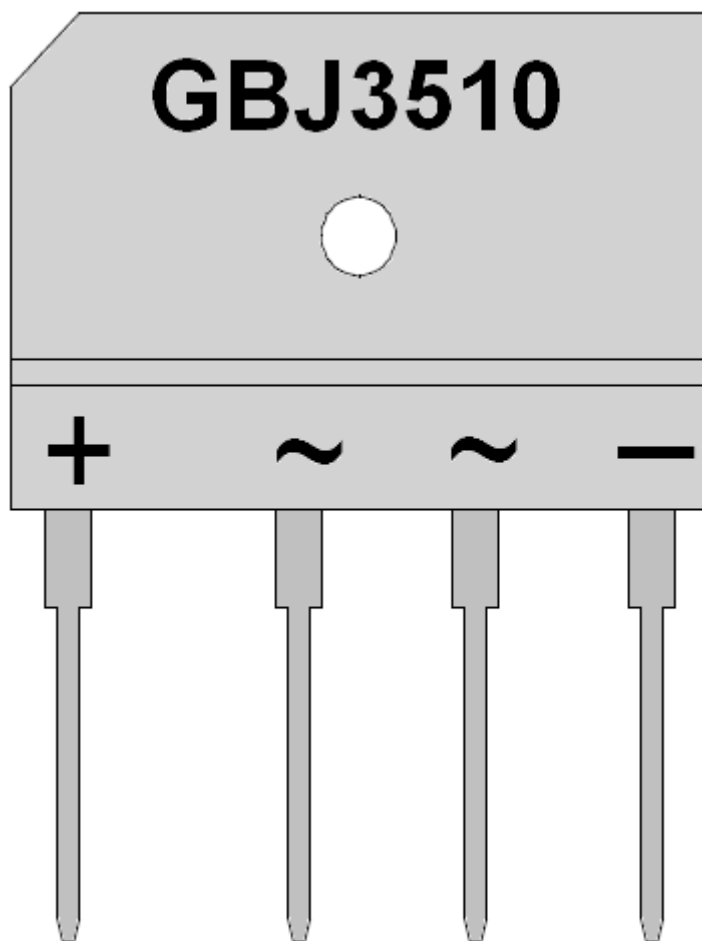
/Notes:

1. /Short duration pulse test used to minimize self-heating effect.
2. / Unless otherwise noted, values for the parameters of a single chip



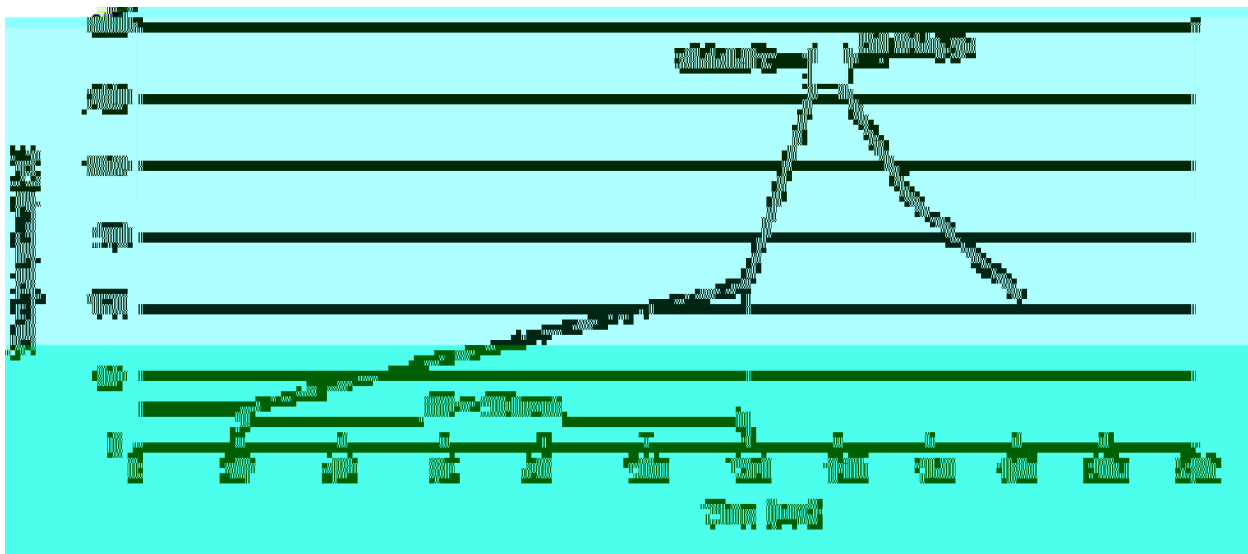
GBJ





GBJ3510

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Note:

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

- 1.Preheating:25~150 , Time:60~90sec.
- 2.Peak Temp.:255±5 , Duration:5±0.5sec.
3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.:270±5℃

Time:10±1 sec

/ BULK

Package Type	Units					Dimension (unit mm ³)		
	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
GBJ	-	-	250	8	2000	-	315×135×48	330×285×215

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
GBJ	15	40	600	2	1200	471×42×10	500×190×105	525×210×245