

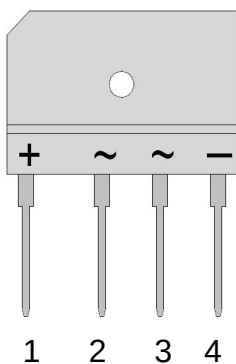
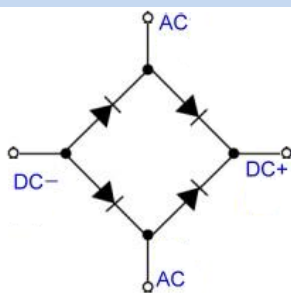
GEJ

Ultrafast Recovery rectifier bridge in a GBJ Plastic Package.

τ H_f

Glass passivated process to produce Ultrafast Recovery rectifier bridge ,with low reverse leakage current and high reliability.

For high frequency, high voltage, high current rectifier diode, freewheeling diode。



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

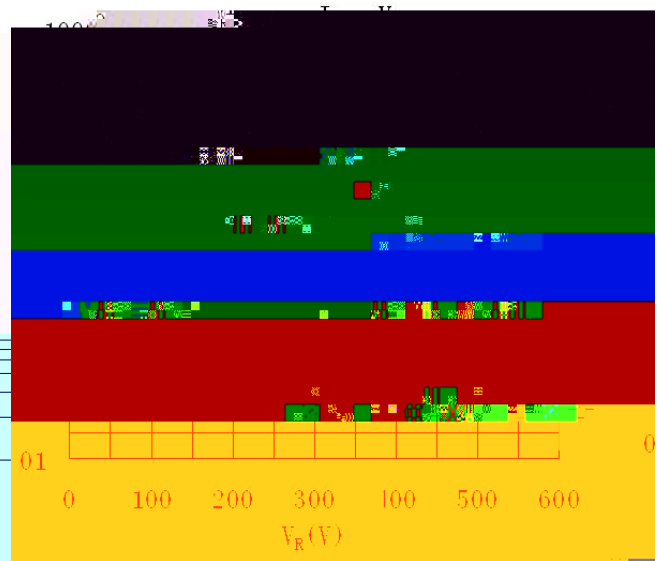
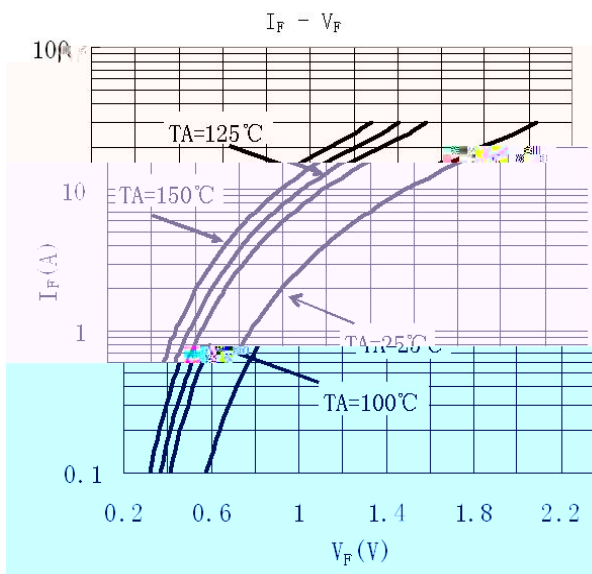
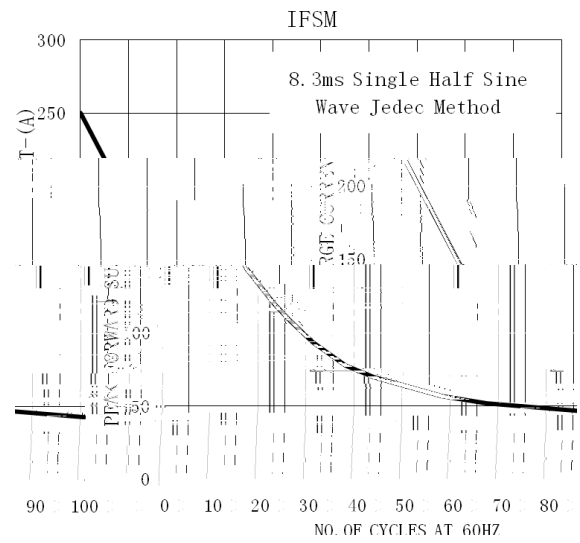
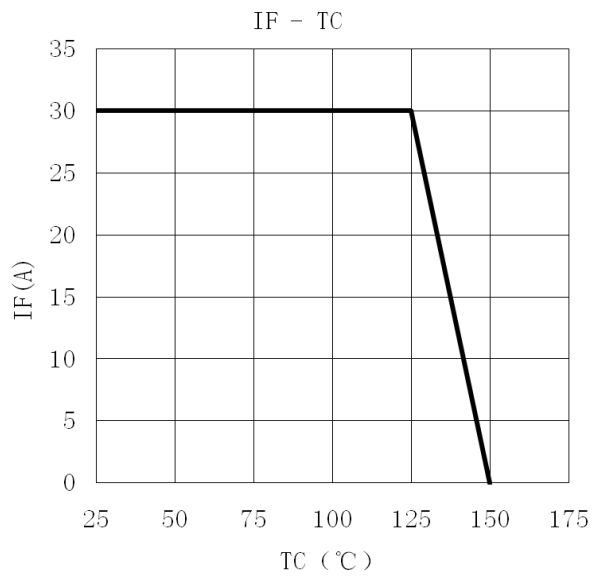
&

See Marking Instructions

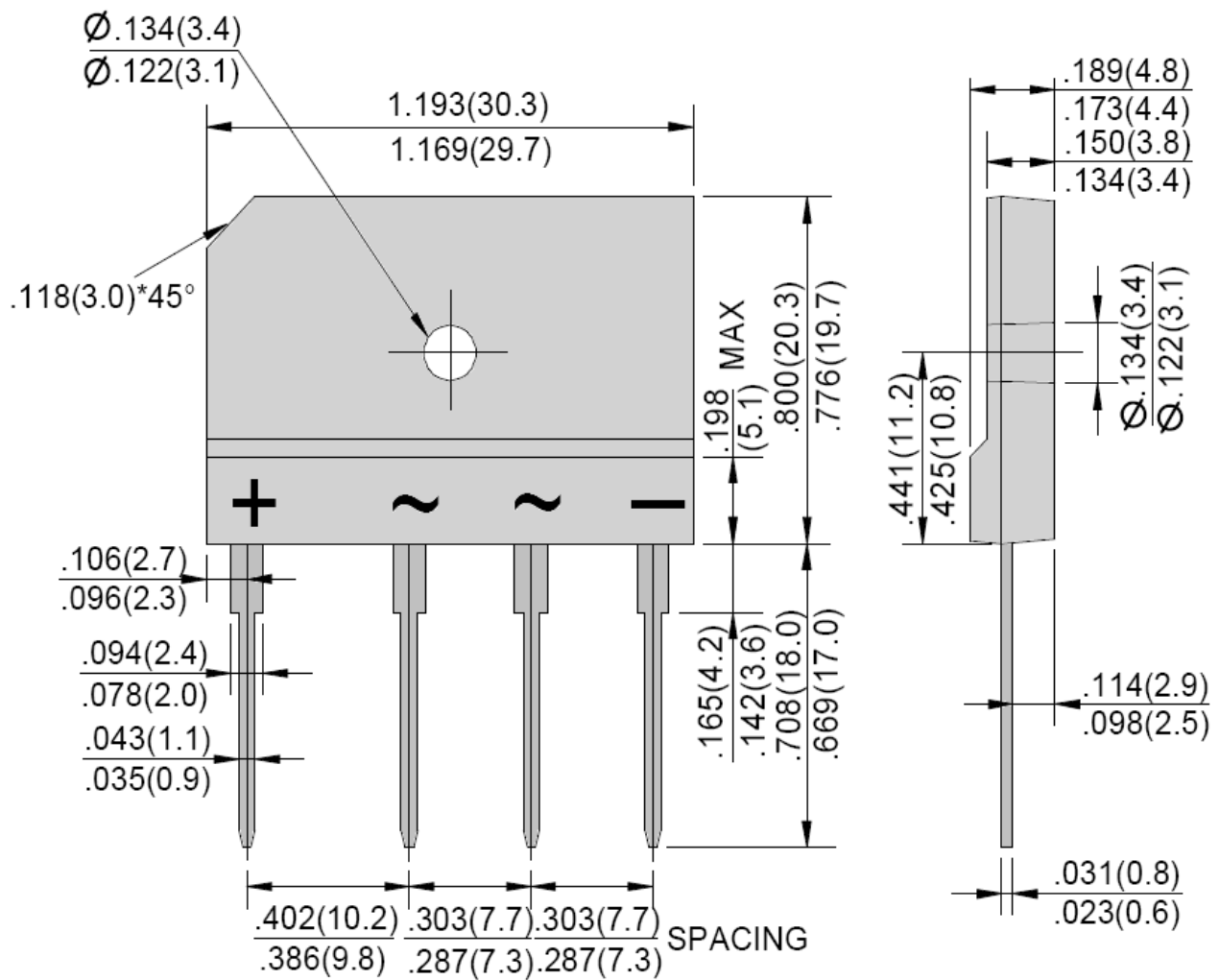
Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	600	V
Maximum RMS Voltage	V_{RMS}	420	V
Maximum DC Blocking Voltage	V_{DC}	600	V
Maximum Average Forward Current	$I_{(AV)}$	4×30	A
Peak forward surge current	I_{FSM}	250	A
Typical Thermal Resistance Junction to Case	$R_{\theta JC}$	0.6	/W
Junction Temperature Range	T_J	150	
Storage Temperature Range	T_{stg}	-55~150	

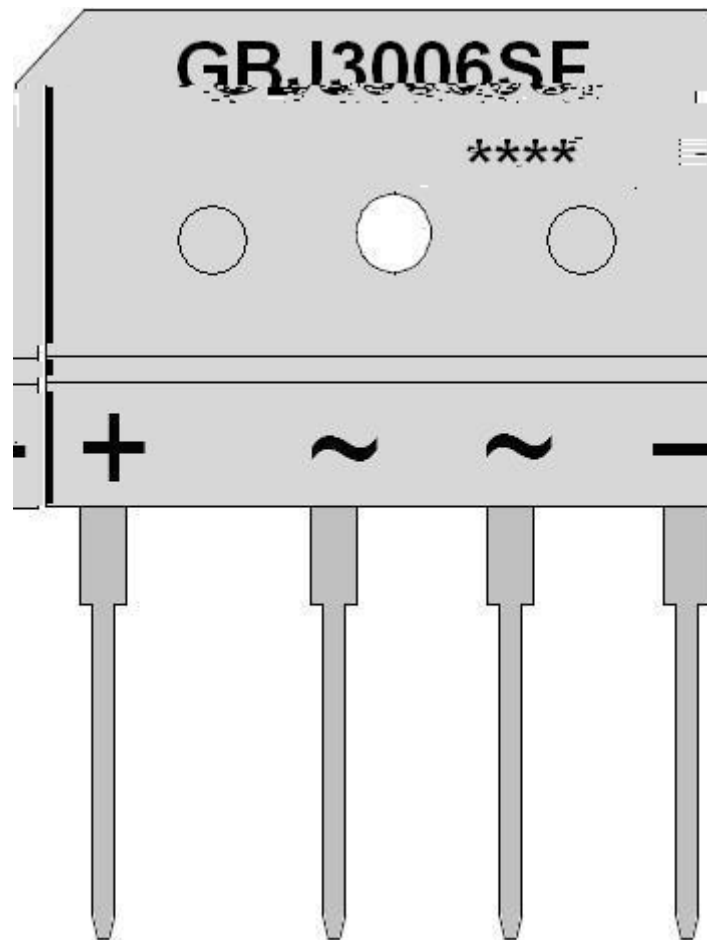
Parameter	Symbol	Test Conditions	Min	ϵ Typ	Max	Unit
Reverse Voltage	V_R	$I_R=1mA$	600	680		V
Forward Voltage	V_F	$I_F=5A \quad T_C=25^\circ C$		1.32	1.45	V
		$I_F=5A \quad T_C=125^\circ C$		0.90	1.25	
		$I_F=15A \quad T_C=25^\circ C$		1.90	2.25	
		$I_F=15A \quad T_C=125^\circ C$		1.26	1.65	
		$I_F=30A \quad T_C=25^\circ C$		2.35	2.65	
		$I_F=30A \quad T_C=125^\circ C$		1.65	2.15	
Instantaneous Reverse Current	I_R (Note 1)	$V_R=600V \quad T_a=25^\circ C$			10	μA
		$V_R=600V \quad T_a=125^\circ C$			500	

Reverse Recovery Time	t_{rr}	$I_F=0.5A \quad I_{RR}=0.25A$	$I_R=1.0A$	40	50	ns	=0.25A
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GBJ





GBJ3006SF

+ DF -

Note:

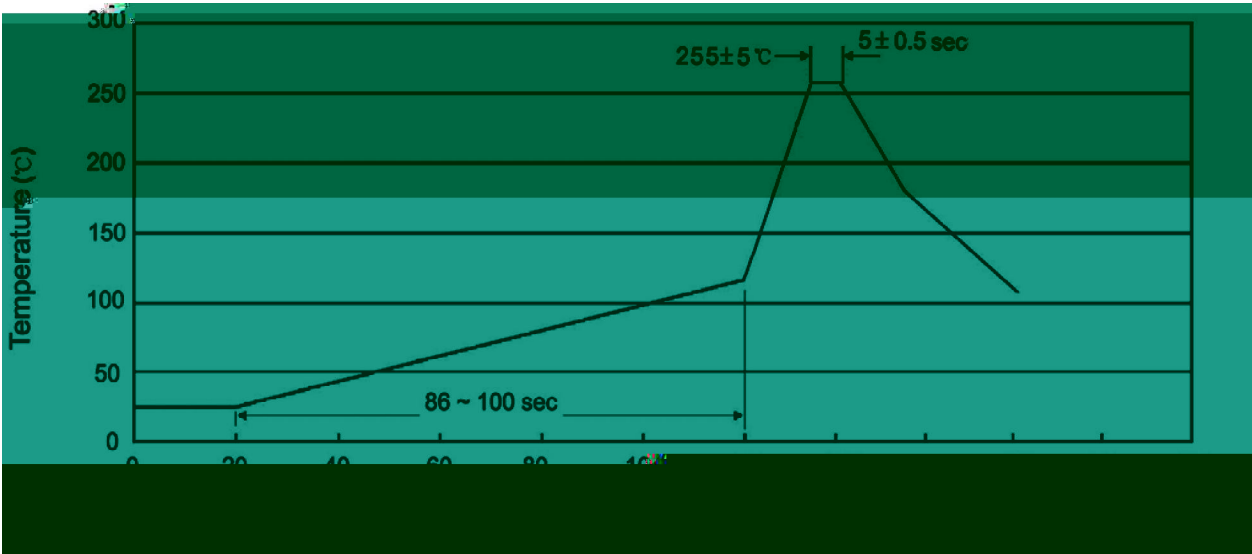
GBJ3006SF

+ DF -

Product Type

Lot No. Code, code change with Lot No.

Piq fxqcwlrq



Note:

- 1

25 150

60 90sec;

1.Preheating:25~150 , Time:60~90sec.
- 2

255±5

5±0.5sec;

2.Peak Temp.:255±5 , Duration:5±0.5sec.
- 3

2 10 /sec.

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	-	-	200	10	2000	-	255×145×48	310×270×250

/ 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