

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	200	V
Maximum RMS Voltage	V_{RMS}	140	V
Maximum DC Blocking Voltage	V_{DC}	200	V
Maximum Average Forward Current	I_F	4 × 25	A
Peak forward surge current	I_{FSM}	400	A
Typical Thermal Resistance Junction to Case	$R_{\theta JC}$	2.2	/W
Junction Temperature Range	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse Voltage	V_R	$I_R=1mA$	200			V
Forward Voltage	V_F	$I_F=5A \quad T_C=25$		0.85	0.95	V
		$I_F=5A \quad T_C=125$		0.69	0.85	
		$I_F=12.5A \quad T_C=25$		1.05	1.35	
		$I_F=12.5A \quad T_C=125$		0.85	1.05	
Instantaneous Reverse Current	I_R Note 1	$V_R=200V \quad T_a=25$			10	μA
		$V_R=200V \quad T_a=125$			500	
Reverse Recovery Time	t_{rr}	$I_F=0.5A \quad I_R=1.0A$ $I_{RR}=0.25A$		35	50	ns

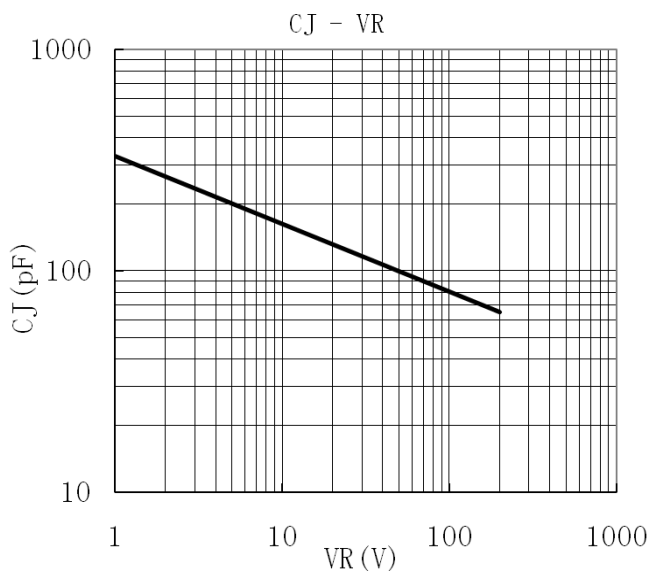
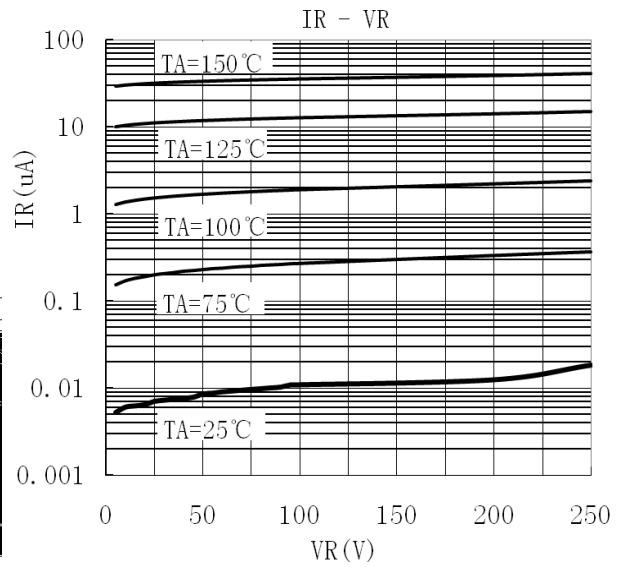
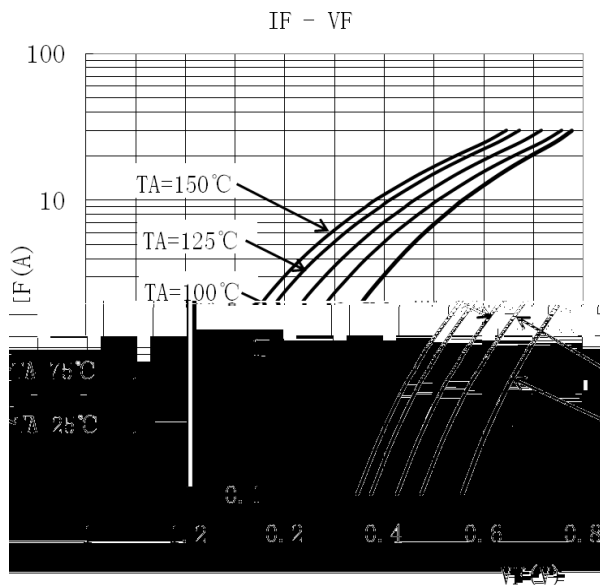
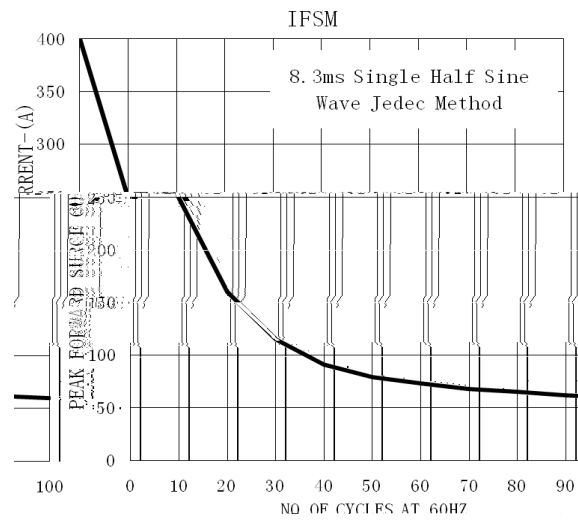
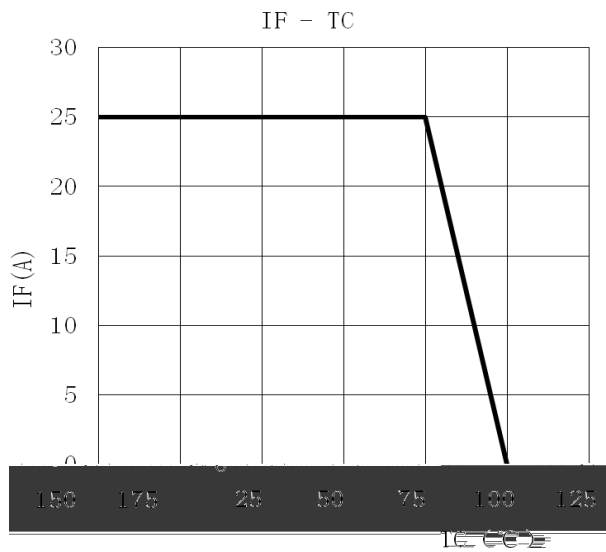
/Notes

 1.
effect.

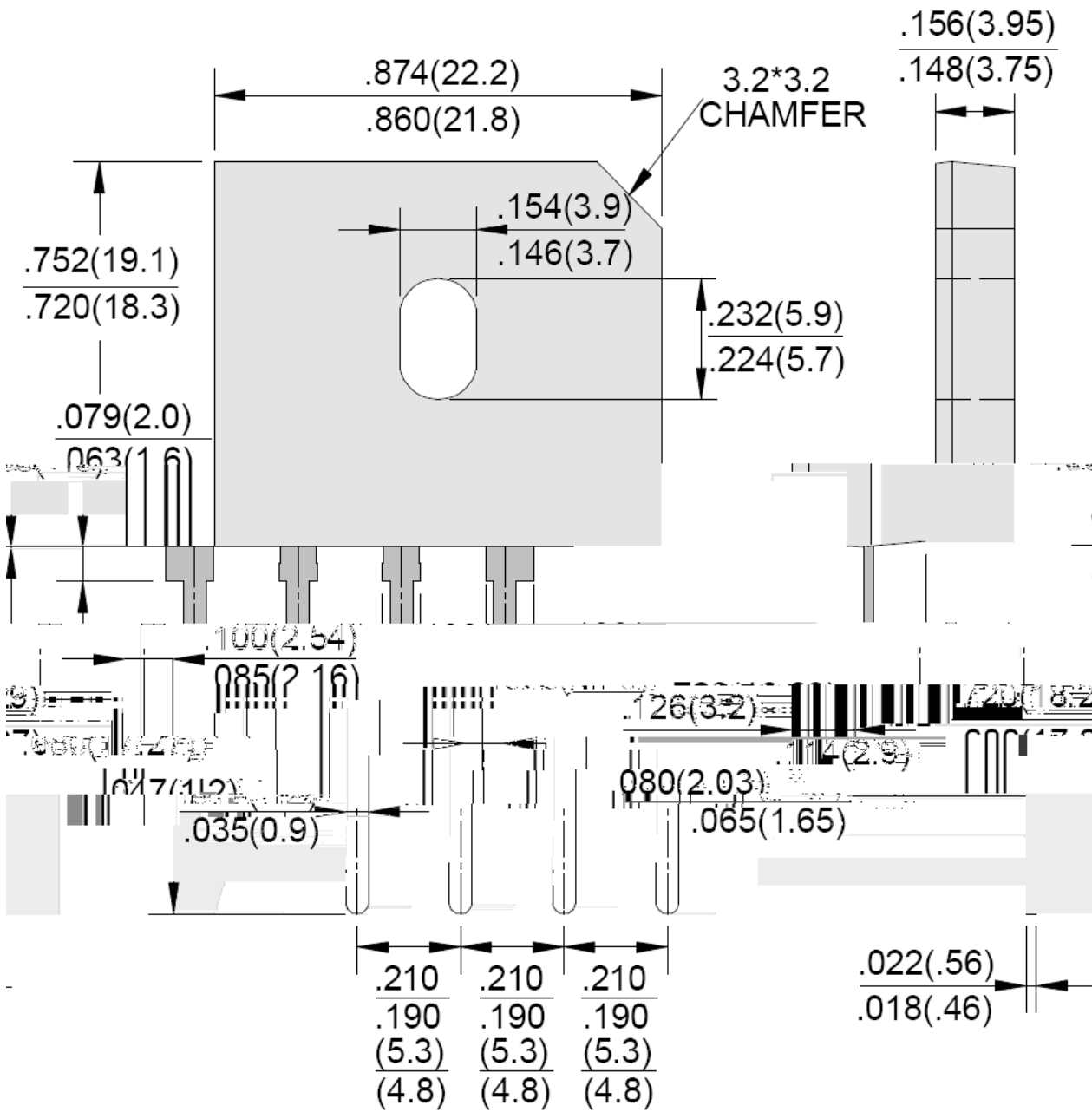
/ Short duration pulse test used to minimize self-heating

 2.
single chip

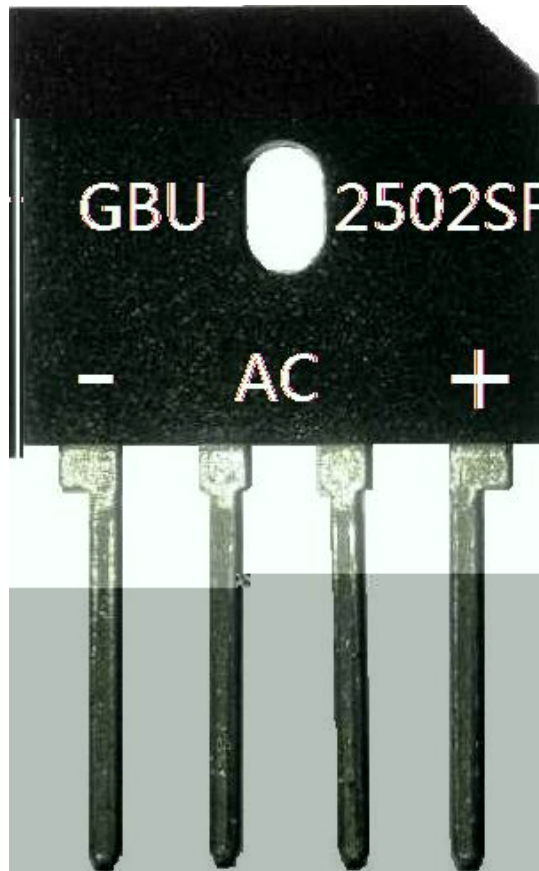
/ Unless otherwise noted, values for the parameters of a



GBU



Dimensions are in inches and millimeters.

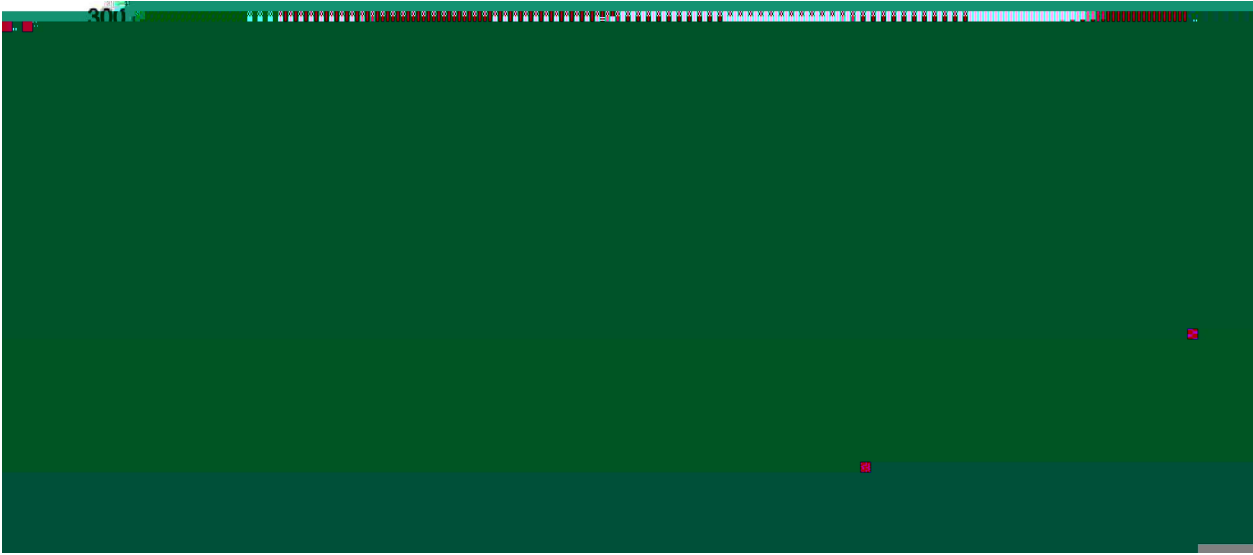


GBU2502SF

- AC +

Note:

GBU2502SF	Product Type
- AC +	Pin function



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 | Tc41.5(o)3. Tf10.98 0 0 1069599d065104 255, Du32.6(T)5Cool-3. S3 | | | | |