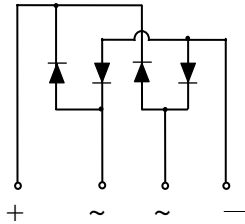
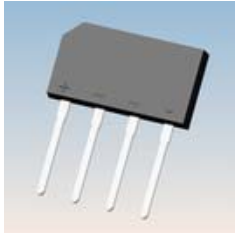


2S



Features 特征

- $I_O$  4.0A
- $V_{RRM}$  200V~800V
- Glass passivated chip
- High surge forward current capability
- Small size
- Component in accordance to ROHS 2002/95/EC and WEEE2002/96/WC

Applications 应用

General purpose 1 phase Bridge rectifier applications

Mechanical data

- **Case:** 2S
- Epoxy meets UL 94V-0 flammability rating
- **Terminals:** Pure tin plated leads, solderable per J-STD-002 and JESD22-B102, E3 suffix for consumer grade, meet JESD201 class 1A whisker test.
- **Polarity:** As marked on body

Primary characteristics

$I_{F(AV)}$	4.0A
$V_{RRM}$	200V to 800V
$I_{FSM}$	150A
$I_{RM}$	5 $\mu$ A
$V_{FM}$	1.05V
$T_J$ max.	150°C

Maximum rating ( $T_a=25^\circ\text{C}$  unless otherwise noted) 电子特性

Parameter	Symbol	T2SB				Unit
		20A	40A	60A	80A	
Repetitive peak reverse voltage	$V_{RRM}$	200	400	600	800	V
Average rectified output current	$I_O$	4				A
Surge (non-repetitive) forward current	$I_{FSM}$	150				A
Peak forward voltage	$V_{FM}$	1.05 <sup>(1)</sup>				V
Peak reverse current	$I_{RRM1}$	5				$\mu$ A
Operating junction temperature	$T_J$	+150				°C
Storage temperature	$T_{STG}$	-40 ~ +150				°C
Thermal resistance	Between junction to ambient	47				°C/W
	Between junction to lead	10				

Notes:(1) Pulse test with PW=300 $\mu$ s, 1%duty cycle.

Typical characteristics 特性曲线

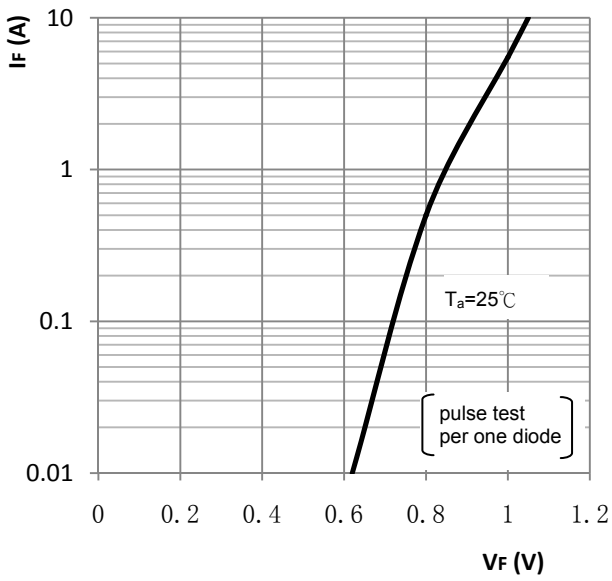


Figure 1. Forward characteristics

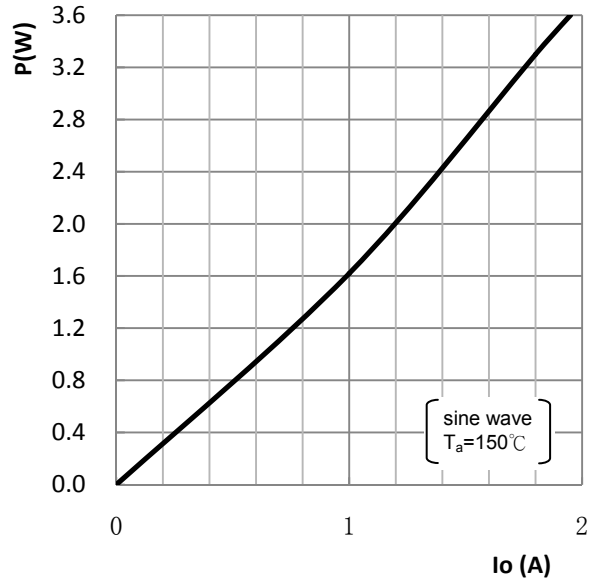


Figure 2. P-Io Curve

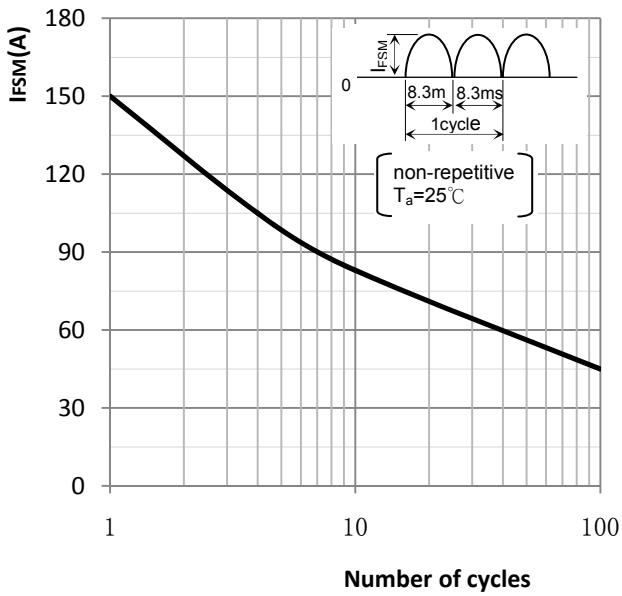


Figure 3. Surge Forward current Capability

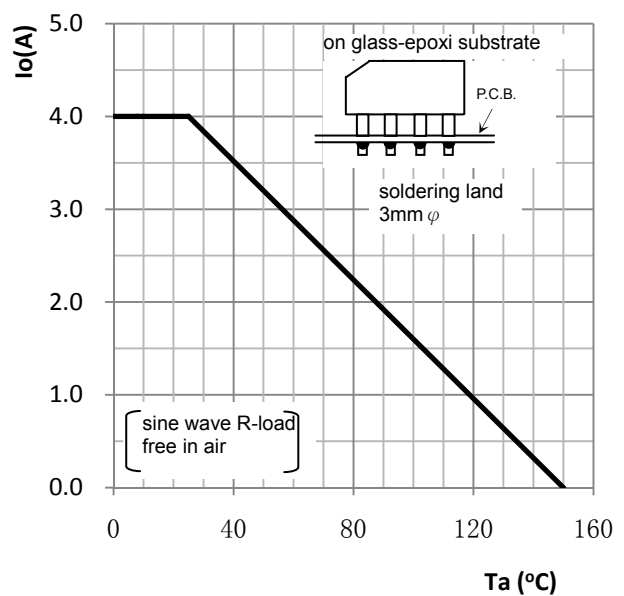
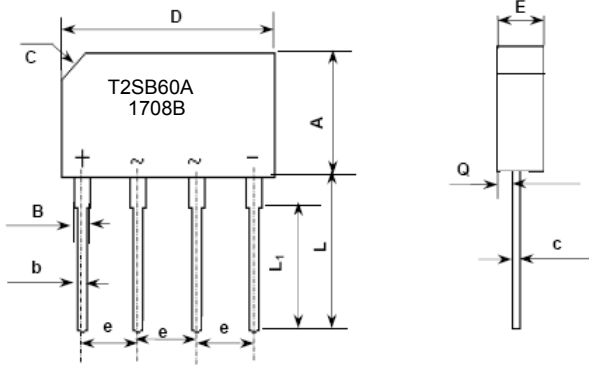


Figure 4.  $I_o$ - $T_a$  Curve

Package outline dimensions 封装外形尺寸



Dim.	Inches		Millimeters	
	Min.	Max.	Min.	Max.
A	0.421	0.445	10.7	11.3
B	0.051	0.067	1.3	1.7
C	0.098x45°		2.5x45°	
b	0.035	0.043	0.9	1.1
c	0.016	0.024	0.4	0.6
D	0.776	0.799	19.7	20.3
E	0.130	0.146	3.3	3.7
e	0.189	0.205	4.8	5.2
L	0.512	0.551	13.0	14.0
L1	0.091	0.106	2.3	2.7
Q	0.031	0.047	0.8	1.2