



T2KB(20~80)

橋式整流器 Bridge Rectifier

■特徵 Features

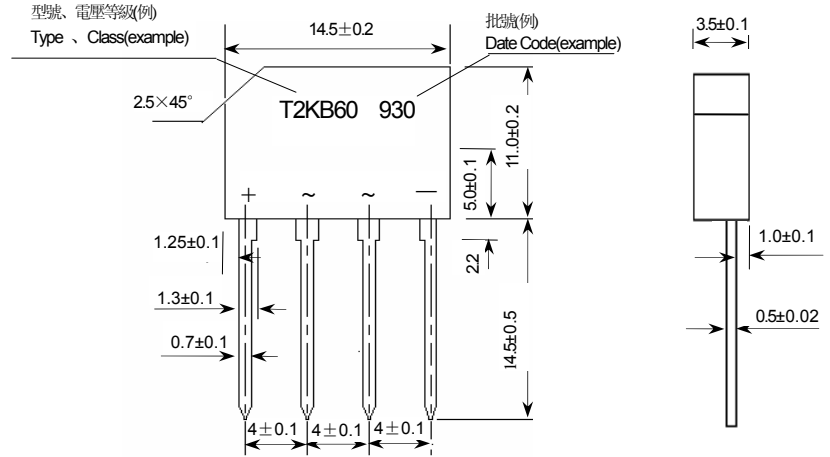
- I_o 2.0A
- V_{RRM} 200V~800V
- 玻璃鈍化芯片 Glass passivated chip
- 耐正向浪湧電流能力高
High surge forward current capability
- 小型化 Small size

■用途 Applications

- 作一般電源單相橋式整流用
General purpose 1 phase Bridge rectifier applications

■外形尺寸和印記 Outline Dimensions and Mark

單位Unit: mm



■極限值（絕對最大額定值）

Limiting Values (Absolute Maximum Rating)

| 參數名稱 Item | 符號 Symbol | 單位 Unit | 條件 Conditions | T2KB20 | T2KB40 | T2KB60 | T2KB80 |
|---|--------------|------------|--|------------|--------|--------|--------|
| 貯存溫度 Storage Temperature | T_{stg} | °C | | -40 ~ +150 | | | |
| 結溫 Junction Temperature | T_j | °C | | +150 | | | |
| 反向重復峰值電壓 Repetitive Peak Reverse Voltage | V_{RRM} | V | | 200 | 400 | 600 | 800 |
| 平均整流輸出電流 Average Rectified Output Current | I_o | A | 50Hz 正弦波, 電阻負載, $T_a=25^\circ\text{C}$ 50Hz sine wave, R-load, $T_a=25^\circ\text{C}$ | 2.0 | | | |
| 正向（不重復）浪湧電流 Surge(Non-repetitive)Forward Current | I_{FSM} | A | 50Hz正弦波, 一個周期, $T_a=25^\circ\text{C}$ 50Hz sine wave, 1 cycle, $T_a=25^\circ\text{C}$ | 80 | | | |

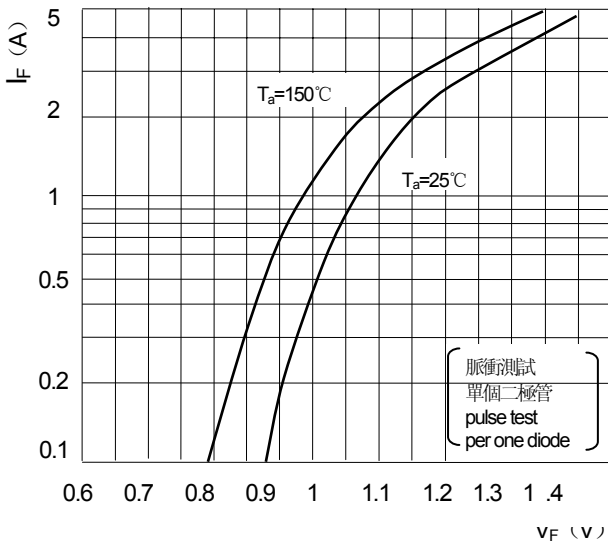
■電特性 ($T_a=25^\circ\text{C}$ 除非另有規定)

Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

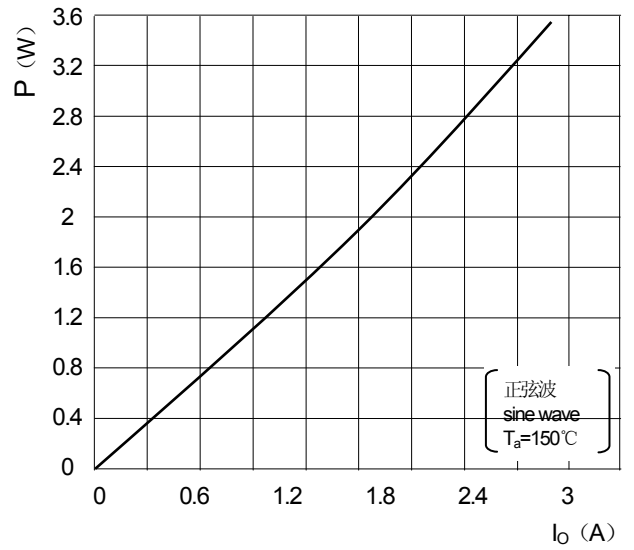
| 參數名稱 Item | 符號 Symbol | 單位 Unit | 測試條件 Test Condition | 最大值 Max |
|--------------------------------|------------------|---------------|---|------------|
| 正向峰值電壓 Peak Forward Voltage | V_{FM} | V | $I_{FM}=2.0\text{A}$, 脈衝測試, 單個二極管的額定值 $I_{FM}=2.0\text{A}$, Pulse measurement, Rating of per diode | 1.10 |
| 反向峰值電流 Peak Reverse Current | I_{RRM1} | μA | $V_{RM}=V_{RRM}$, 脈衝測試, 單個二極管的額定值 $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode | 10 |
| 熱阻 Thermal Resistance | $R_{\theta J-A}$ | °C/W | 結和環境之間 Between junction and ambient | 45 |
| | $R_{\theta J-L}$ | | 結和引線之間 Between junction and lead | 8 |



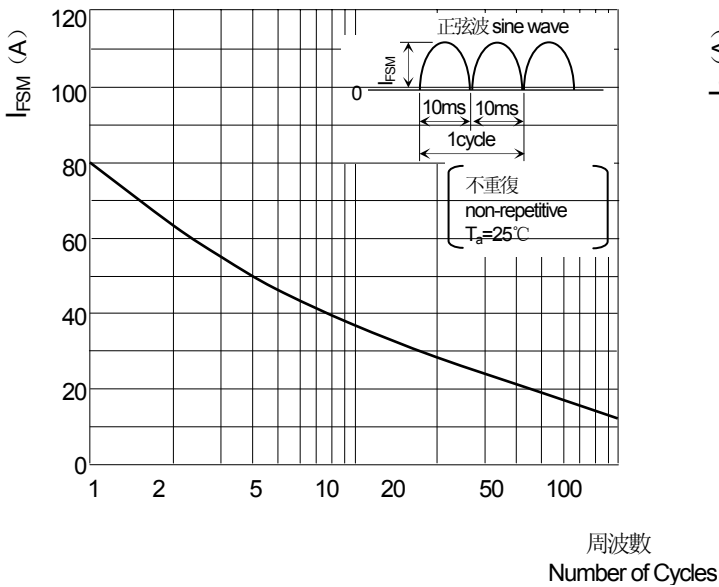
■特性曲線 (典型) Characteristics(Typical)



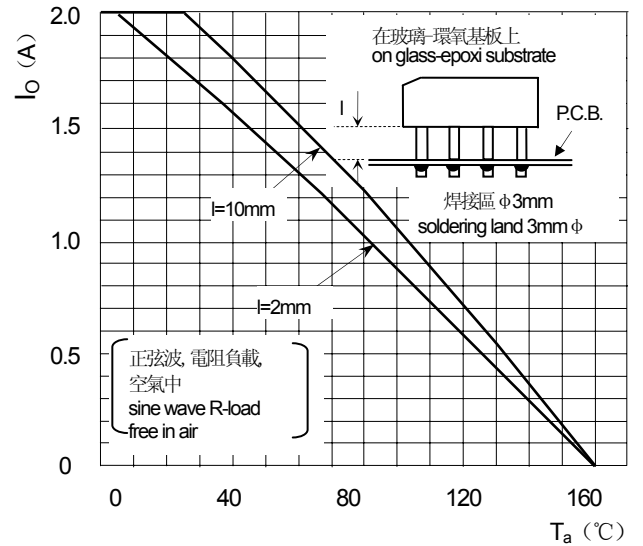
正向特性
Forward Characteristics



功率損耗曲線
P-I_o Curve



耐正向浪湧電流能力
Surge Forward Current Capability



I_o-T_a 曲線
I_o-T_a Curve