



T20XB(20~80)

橋式整流器 Bridge Rectifier

■特徵 Features

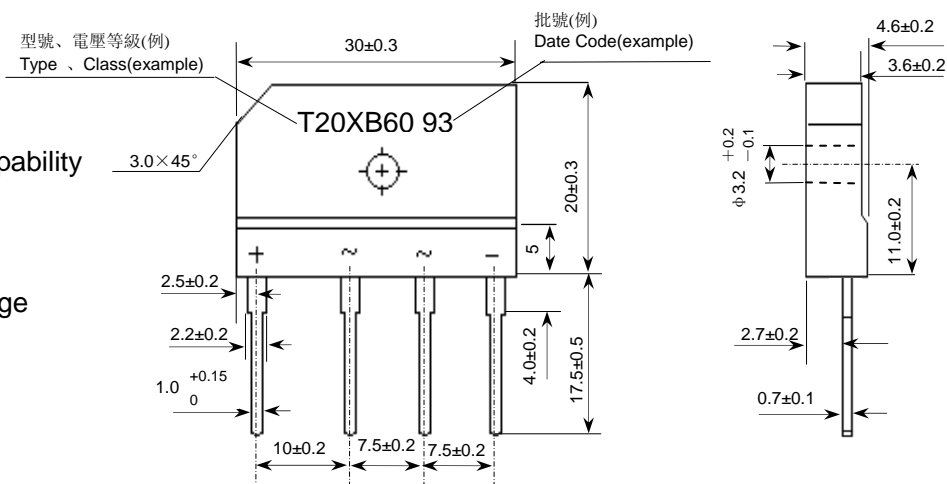
- I_o 20A
- V_{RRM} 200V~800V
- 玻璃鈍化芯片
Glass passivated chip
- 耐正向浪湧電流能力高
High surge forward current capability

■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	T20XB			
				20	40	60	80
貯存溫度 Storage Temperature	T_{stg}	$^{\circ}C$		-40 ~ +150			
結溫 Junction Temperature	T_j	$^{\circ}C$		+150			
反向重複峰值電壓 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 50Hz sine wave, R-load	用散熱片 $T_c=87^{\circ}C$ With heatsink $T_c=87^{\circ}C$	20		
				無散熱片 $T_a=25^{\circ}C$ Without heatsink $T_a=25^{\circ}C$	3.5		
正向（不重複）浪湧電流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz正弦波，一個周期， $T_a=25^{\circ}C$ 50Hz sine wave, 1 cycle, $T_a=25^{\circ}C$	240			
絕緣耐壓 Dielectric Strength	V_{dis}	kV	端子與外殼之間外加交流電，一分鐘 Terminals to case, AC 1 minute	2.5			
安裝扭矩 Mounting Torque	TOR	kg · cm	推薦值：5kg · cm Recommend torque: 5kg · cm	8			

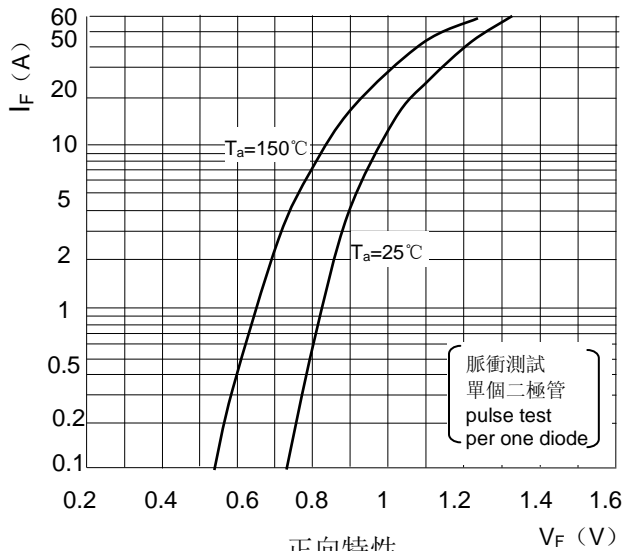
■電特性（ $T_a=25^{\circ}C$ 除非另有規定）

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

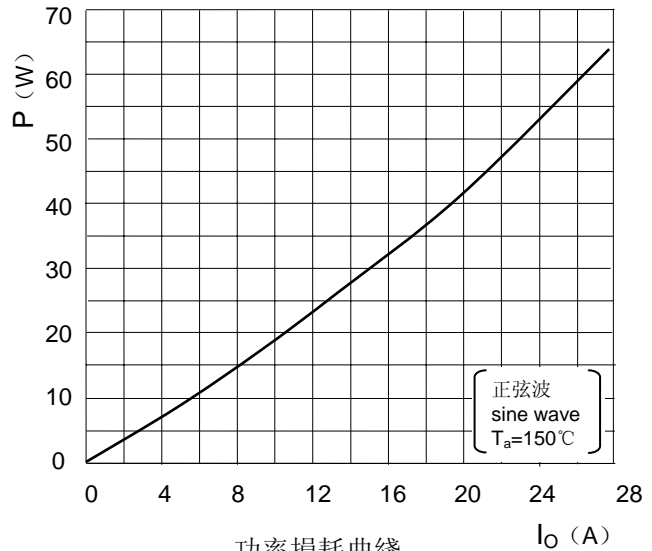
參數名稱 Item	符號 Symbol	單位 Unit	測試條件 Test Condition	最大值 Max
正向峰值電壓 Peak Forward Voltage	V_{FM}	V	$I_{FM}=10A$, 脈衝測試，單個二極管的額定值 $I_{FM}=10A$, Pulse measurement, Rating of per diode	1.1
反向峰值電流 Peak Reverse Current	I_{RRM}	μA	$V_{RM}=V_{RRM}$, 脈衝測試，單個二極管的額定值 $V_{RM}=V_{RRM}$, Pulse measurement, Rating of per diode	10
熱阻 Thermal Resistance	$R_{\theta J-A}$	$^{\circ}C/W$	結和環境之間，無散熱片 Between junction and ambient, Without heatsink	22
	$R_{\theta J-L}$		結和引線之間，無散熱片 Between junction and lead, Without heatsink	5
	$R_{\theta J-C}$		結和管殼之間，用散熱片 Between junction and case, With heatsink	1.5



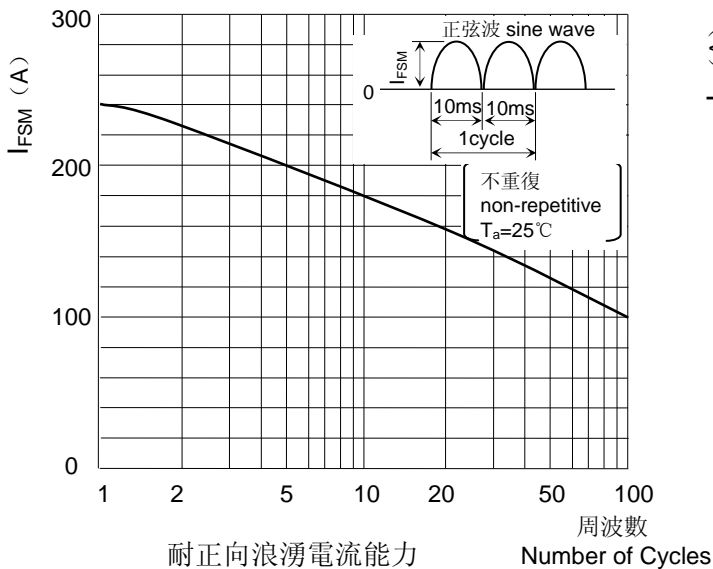
■ 特性曲線 (典型) Characteristics(Typical)



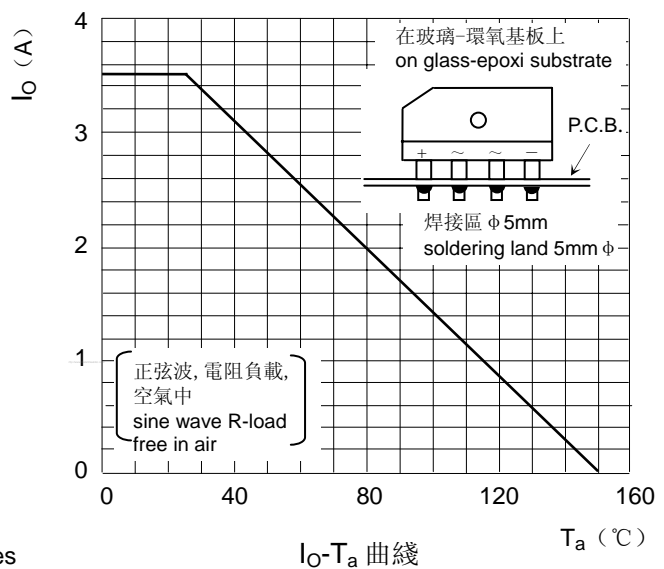
正向特性
Forward Characteristics



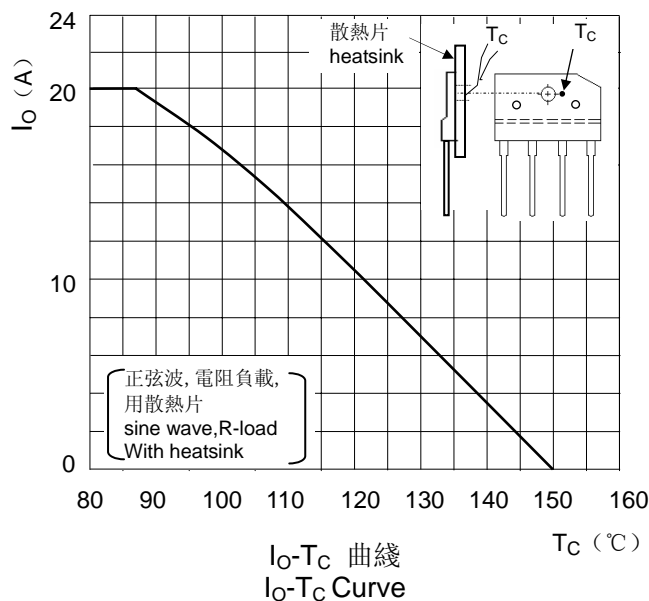
功率損耗曲線
P-IO Curve



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



I_O - T_a 曲線
 I_O - T_a Curve



I_O - T_c 曲線
 I_O - T_c Curve