T20XB(20~80)

橋式整流器 Bridge Rectifier

■特徵 Features

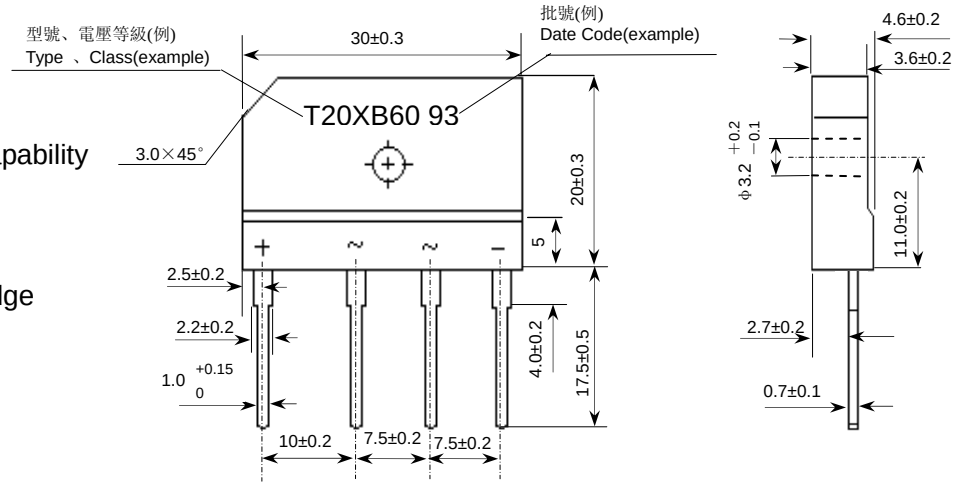
- I_o 20A
- V_{RRM} 200V~800V
- 玻璃鈍化芯片
  Glass passivated chip
- 耐正向浪湧電流能力高
  High surge forward current capability

■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



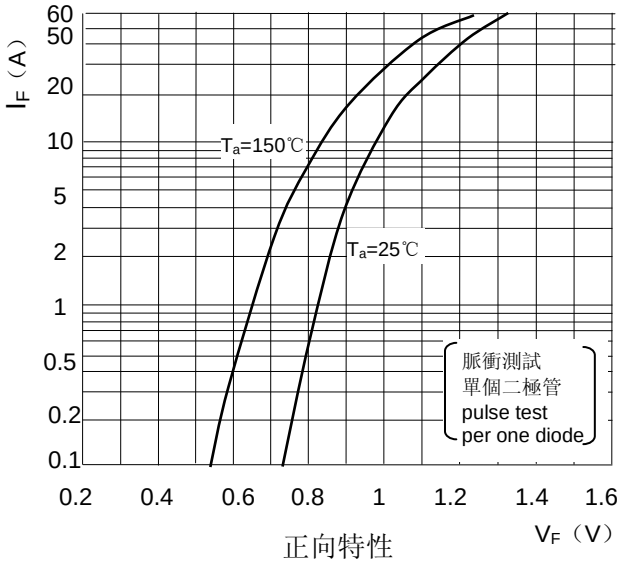
■極限值（絕對最大額定值）
Limiting Values（Absolute Maximum Rating）

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}	℃			-40 ~+150			
结温 Junction Temperature	T_j	℃			+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 50Hz sine wave, R-load	用散熱片 T_c=87℃ With heatsink T_c=87℃	20			
				無散熱片 T_a=25℃ Without heatsink T_a=25℃	3.5			
正向（不重復）浪涌電流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	50Hz正弦波，一個周期，T_a=25℃ 50Hz sine wave, 1 cycle, T_a=25℃		240			
绝缘耐压 Dielectric Strength	Vdis	kV	端子與外殼之間外加交流電，一分鐘 Terminals to case，AC 1 minute		2.5			
安装扭矩 Mounting Torque	TOR	kg・cm	推荐值：5kg・cm Recommend torque：5kg・cm		8			

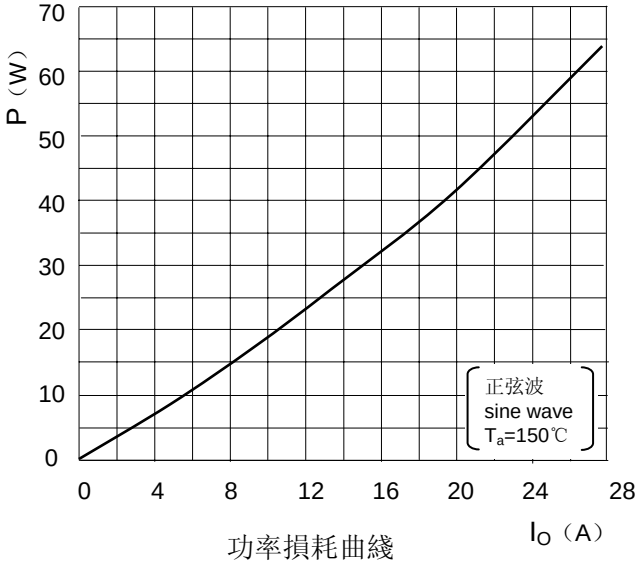
■電特性 （T_a=25℃ 除非另有規定）
Electrical Characteristics（T_a=25℃ Unless otherwise specified）

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	$R_{\theta J-A}$	℃/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

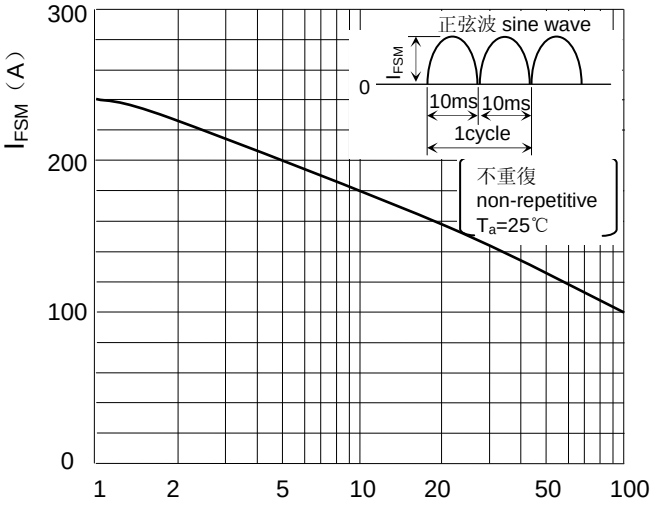
■特性曲綫（典型） Characteristics(Typical)



正向特性
Forward Characteristics

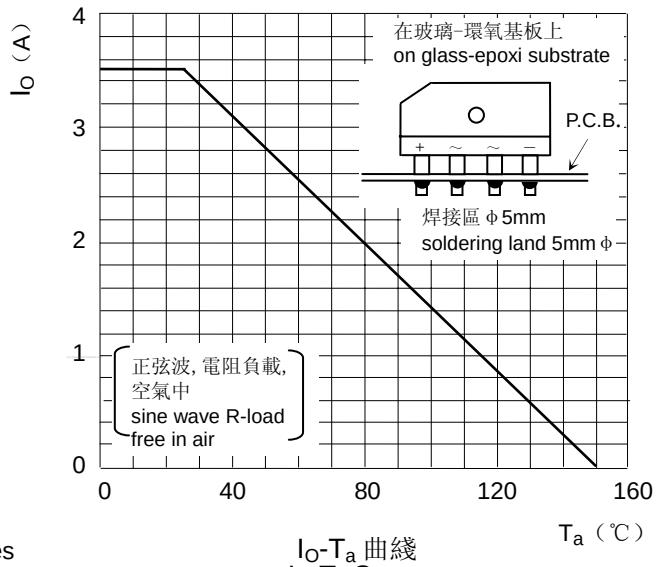


功率損耗曲綫
P-IO Curve

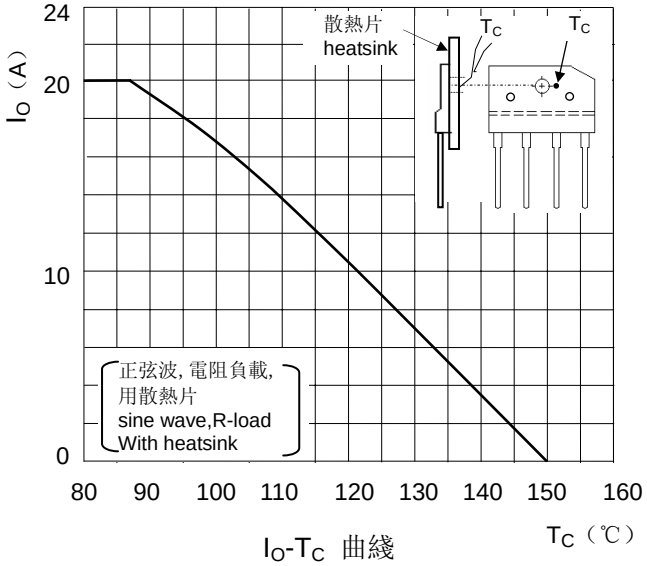


耐正向浪湧電流能力
Surge Forward Current Capability

Number of Cycles



I_O-T_a 曲綫
I_O-T_a Curve



I_O-T_C 曲綫
I_O-T_C Curve