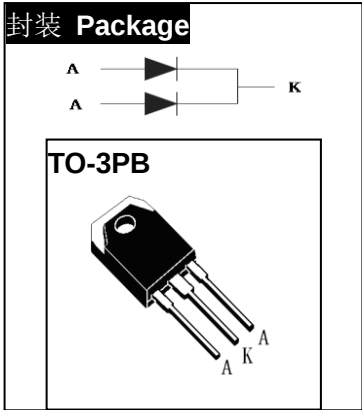




80F40AB3

主要参数 MAIN CHARACTERISTICS

IF(AV)	40×2 A
VRRM	400 V
VF(typ)	1.25V
trr (typ)	40ns



用途

- 逆变焊机
- 开关电源
- UPS
- 高频开关器件并联二极管

APPLICATIONS

- Inversion Welder
- Switch power supply
- UPS
- Antiparalle Diode for high frequency switching devices

产品特性

- 超快恢复时间
- 软恢复特性
- 低正向压降
- 低漏电流

PRODUCT FEATURES

- Ultrafast Recovery Time
- Soft Recovery Characteristics
- Low Forward Voltage
- Low Leakage Current

订货信息 ORDER MESSAGE

订 货 型 号 Order codes		印 记 Marking	封 装 Package
有卤-条管 Halogen-Tube	无卤-条管 Halogen Free-Tube		
80F40AB3-GD-B	80F40AB3-GD-BR	80F40AB3	TO-3PB

**绝对最大额定值 ABSOLUTE RATINGS ($T_c=25^{\circ}\text{C}$)**

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
Maximum Repetitive Reverse Voltage	V_{RRM}	400	V
Average forward current Per Diode $T_c=120^{\circ}\text{C}$ Per Package	$I_{F(AV)}$	40 80	A
Non-Repetitive Surge Forward Current $t=8.3\text{ms}$	I_{FSM}	400	A
Junction Temperature	T_j	$-40\sim+150$	$^{\circ}\text{C}$
Storage temperature range	T_{STG}	$-40\sim+150$	$^{\circ}\text{C}$

电特性 ELECTRICAL CHARACTERISTICS ($T_c=25^{\circ}\text{C}$ unless otherwise specified)

项 目 Parameter	测试条件 Tests conditions		最小值 Value(min)	典型值 Value(typ)	最大值 Value(max)	单位 Unit
V _R	I _R =50μA		400			V
I _R	T _j =25℃	V _R =V _{RRM}		0.2	10	μA
	T _j =125℃			50	150	μA
V _F	T _j =25℃	I _F =40A		1.25	1.85	V
	T _j =125℃				1.5	V
trr	I _F =0.5A, I _R =1.0A, I _{RR} =0.25A			40	60	ns

热特性 THERMAL CHARACTERISTICS

项 目 Parameter	符 号 Symbol	数 值 Value	单 位 Unit
Thermal resistance from junction to case	$R_{th(j-c)}$	0.8	$^{\circ}\text{C/W}$



特征曲线 ELECTRICAL CHARACTERISTICS (curves)

Fig.1 TYPICAL FORWARD CHARACTERISTICS

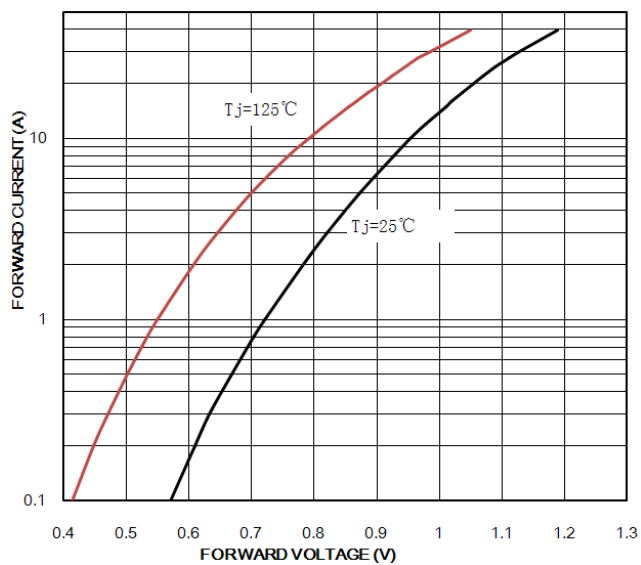
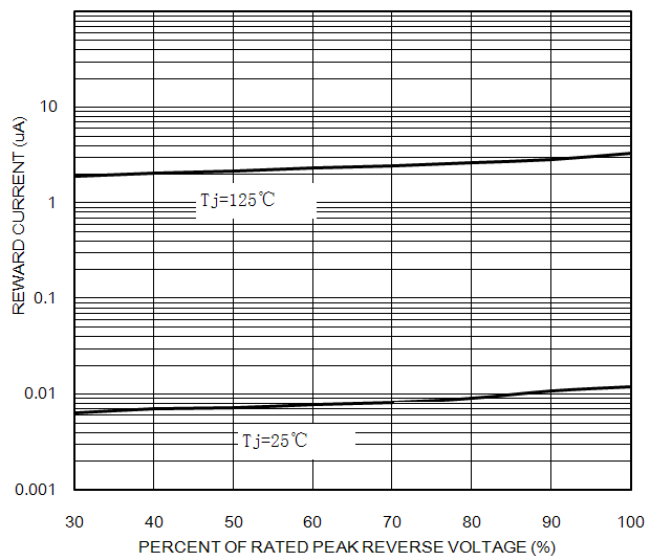


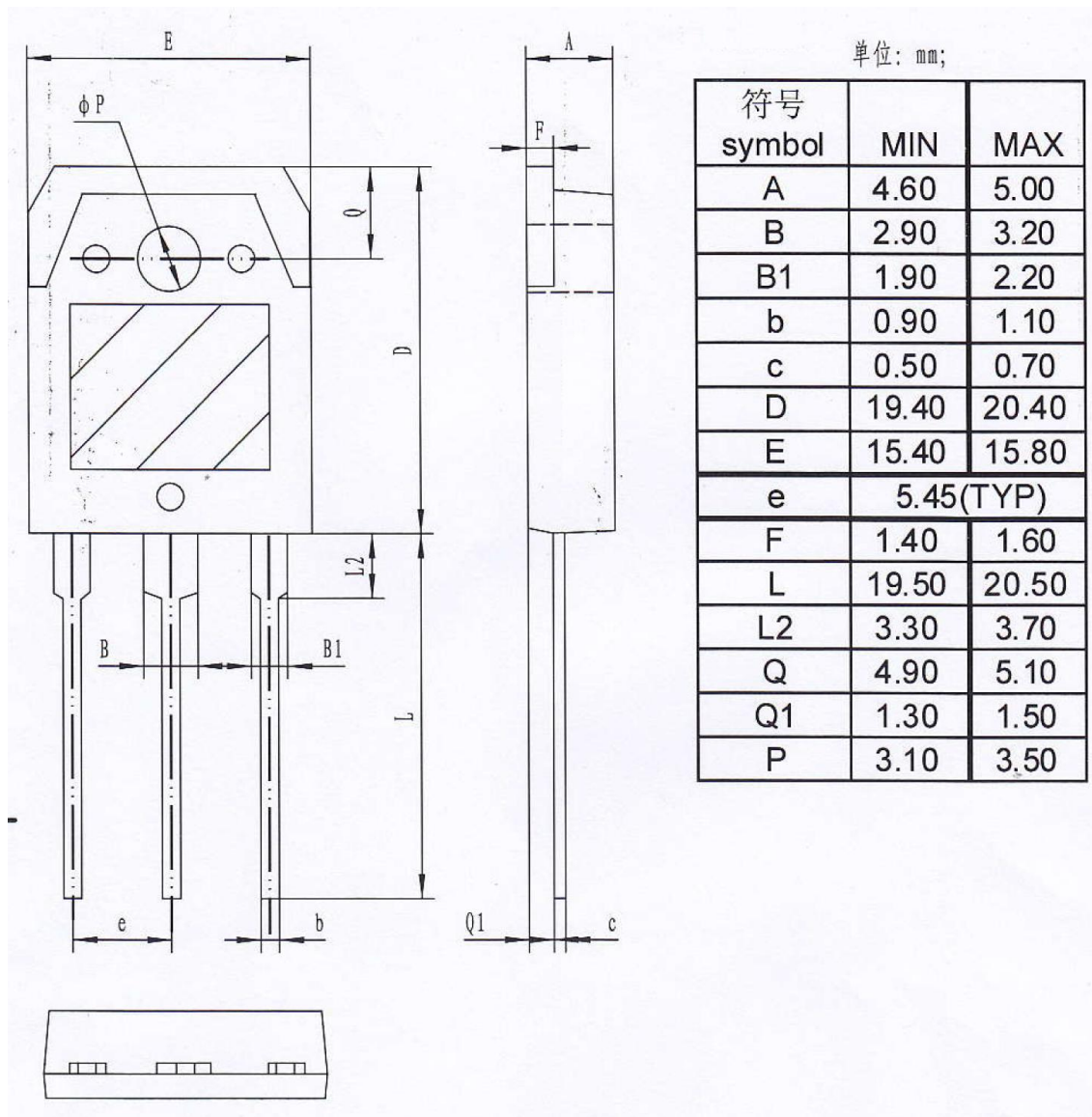
Fig.2 TYPICAL REVERSE CHARACTERISTICS



外形尺寸 PACKAGE MECHANICAL DATA

TO-3PB

单位 Unit : mm





注意事项

1. 吉林华微电子股份有限公司的产品销售分为直销和销售代理，无论哪种方式，订货时请与公司核实。
2. 购买时请认清公司商标，如有疑问请与公司本部联系。
3. 在电路设计时请不要超过器件的绝对最大额定值，否则会影响整机的可靠性。
4. 本说明书如有版本变更不另外告知。

NOTE

1. Jilin Sino-microelectronics co., Ltd sales its product either through direct sales or sales agent , thus, for customers, when ordering , please check with our company.
2. We strongly recommend customers check carefully on the trademark when buying our product, if there is any question, please don't be hesitate to contact us.
3. Please do not exceed the absolute maximum ratings of the device when circuit designing.
4. Jilin Sino-microelectronics co., Ltd reserves the right to make changes in this. specification sheet and is subject to change without prior notice.

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